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Acquisitions

Convergys Accelerates Investment in BSS/OSS through Acquisition of Ceon Corporation

6 October 2008

Convergys Corporation, a global leader in relationship management, announced it is expanding the breadth of its Business/Operations Support Systems (BSS/OSS) solutions available to clients through the acquisition of Ceon Corporation, a leader in the development of product lifecycle management and multi-play fulfillment software for communications service providers.

The new capabilities, delivered as Convergys Enterprise Product Management Solutions, enable

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Convergys clients to more effectively manage their entire product lifecycle across all network domains, shortening time to market for new convergent offers, improving quality, and reducing the costs associated with managing a large product portfolio. Convergys continues to enhance its capabilities to enable service providers to better construct, manage, and deploy a layered catalog that includes the full technical and commercial definition of products and services.

“As service providers launch new convergent services to differentiate themselves from their competitors, their product management requirements become increasingly complex,” said Bob Lento, president of Information Management for Convergys. “Ceon’s product management assets are at the heart of our strategy to help our clients more effectively manage new and advanced value-added services, introduce these services quickly, and evolve these new offers at market speed.”

Telecom operators, such as ice.net (formerly known as Nordisk Mobiltelefon), are successfully leveraging the product lifecycle management solution to more rapidly launch new products, and streamline ordering and fulfillment processes for their clients.

“Ceon Product Control Center is enabling us to rapidly define and launch new offerings, in some cases in a matter of hours,” said Thomas Norberg, CIO of ice.net. “The product modeling approach, the integration facilities, and the alignment of the system with our standards-based systems architecture have allowed us to complete the initial deployment and integration of the system within months.”

Ceon, a privately held company founded in 1999, maintains a principal office in Redwood City, California, with satellite offices in France and the UK. Last January, Convergys and Ceon announced a strategic alliance for which Convergys issued convertible debt with the right to acquire the company. Convergys expects this small but strategic acquisition to be accretive beginning 2009 on a GAAP basis.

[Convergys](#) consulting, professional services, and technology drive true convergence while enabling operators to evolve their BSS/OSS environments with minimal risk. Built on a modular architecture, Infinys [r] software provides unsurpassed scalability, flexibility, investment protection, and support. Using a broad range of consulting and professional services, as well as Infinys, Convergys clients - ranging from mobile to wireline to cable and satellite service providers - have the capability for rapid market innovation via their bundling of convergent voice, video, and data content for their residential and business customers.

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Mentor Graphics Acquires Flomerics Group PLC

9 October 2008

[Mentor Graphics Corporation](#) announced final completion of the acquisition of Flomerics Group PLC., a United Kingdom-based supplier of computational fluid dynamics analysis products.

Flomerics will become the Mechanical Analysis Division headed by Gary Carter, former CEO of Flomerics, reporting to Henry Potts, vice president of Mentor Graphics and general manager of the Systems Design Division. This acquisition not only complements Mentor’s offerings in printed circuit board (PCB) systems design with advanced electronic cooling thermal analysis capabilities typically used by mechanical engineers, but broadens Mentor’s product offerings into the engineering fluid dynamics (EFD) market for mechanical computer aided design (CAD) analysis. The EFD products are targeted at mechanical designers versus requiring the expertise of a specialist. Applications for EFD include complex fluid flow analysis of pumps, valves, aerodynamics and hydrodynamics, heating and

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refrigeration systems, and consumer appliances.

"Thermal analysis of today's high powered, compact electronic products requires ever increasing sophisticated conduction and convection thermal analysis, for both the full enclosure and PCBs, during the design process to meet reliability and time-to-market goals," said Potts. "As a supplier of design automation software, we must consider the entire product development process and provide analysis and collaboration tools wherever we can help our customers be more competitive. As the provider of the world's most advanced computational fluid dynamics products, Flomerics products fall squarely into this strategy. Additionally, we see significant potential with the EFD products that address multiple analysis applications in many industries."

"All of us at Flomerics look forward to working as part of the Mentor Graphics organization to grow our customer base in mechanical design as well as our electronics cooling markets," said Carter, general manager of Mentor's Mechanical Analysis Division. "We believe that with Mentor's global strength and greater financial resources, the success and potential of Flomerics' technology, technical expertise, and customer relationships can be better cultivated and significantly enhanced."

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Oracle Buys Primavera

8 October 2008

Today, Oracle announced it has agreed to acquire Primavera Software, Inc., a leading provider of Project Portfolio Management (PPM) solutions, to accelerate its momentum in delivering mission-critical operational applications.

Primavera's PPM software helps companies propose, prioritize and select project investments, and plan, manage and control the most complex projects and project portfolios.

Together with Oracle's applications and infrastructure software, Oracle expects to provide the first comprehensive enterprise project portfolio management solution that helps companies allocate the best resources, reduce costs, meet delivery dates and ultimately make better decisions, all by using real-time data.

Oracle Enterprise PPM will be tailored to project-intensive industries such as engineering and construction, aerospace and defense, utilities, oil and gas, manufacturing, and professional services.

Primavera employees and management are expected to join Oracle to form a global business unit (GBU) focused on Enterprise PPM, and to help ensure a smooth transition for Primavera customers and partners. Primavera's CEO Joel Koppelman is expected to lead the business unit as Senior Vice President and General Manager.

The transaction is subject to customary closing conditions and is expected to close in the second half of 2008. Until the deal closes, each company will continue to operate independently. Financial details of the transaction were not disclosed.

Supporting Quotes

"Enterprise PPM is moving to the forefront of business strategy for industries managing complex and capital intensive projects, and has emerged as a global driver for value creation and business success," said Oracle President Charles Phillips. "With 20% of the world's GDP spent annually on projects, the addition of Primavera is expected to extend Oracle's leadership position in the enterprise application

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space.”

“As a leader in PPM solutions with over 25 years experience helping customers succeed at managing projects, programs and portfolios, Primavera is a natural addition to accelerate Oracle’s application strategy for project-intensive industries,” said Primavera CEO Joel Koppelman. “We are excited to join Oracle as a new global business unit where we can ensure continuity and success for our current and prospective customers and partners.”

Supporting Resources

[Oracle-Primavera information page](#)

[General Presentation](#)

[FAQ](#)

[Oracle Projects website](#)

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CIMdata News

CIMdata Posts a new Opinion Poll, What is the Next Planned Area of Expansion of your PLM Solution?

In its October opinion poll CIMdata is seeking feedback about the next planned area of expansion of PLM solutions in industrial companies. Vote now to indicate which Product Lifecycle Management solution your company will be focusing on next.

The results of these polls are tabulated as you vote. The results are completely anonymous. The results of these polls are tabulated as you vote. The results are completely anonymous.

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Company News

Autodesk Names IMAGINiT Technologies Americas Reseller of the Quarter

8 October 2008

[Autodesk](#) announced that it has named IMAGINiT Technologies Canada as Reseller of the Quarter for the second quarter of fiscal year 2009. The designation recognizes the reseller not only for its sales performance and dedication to customer service, but also for the growth of its operations and its investments in the business of selling Autodesk software. Autodesk selected IMAGINiT Technologies Canada from among more than 100 resellers in the Americas.

"At IMAGINiT, we deliver custom solutions with Autodesk software and our professional services to improve productivity and increase revenue within customer organizations," said Joe Oswald, Canadian country vice president of IMAGINiT Technologies. "Being named Autodesk Reseller of the Quarter is great affirmation of our more than 20 years of experience in the engineering and design community providing superior technical capability while developing strong, long-term customer relationships."

IMAGINiT Technologies has helped many customers experience the benefits of 3D design. For

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example, IMAGINiT's professional services consultants helped move Bush Industries, in North America and China, from 2D to 3D design with Autodesk Inventor software. In addition, IMAGINiT North American consultants collaborated with IMAGINiT Singapore, sharing details on Bush's configuration, environment, unique challenges and design requirements. The result was a successful implementation of a global, web-based data and document transfer system, improving productivity and reducing product development lead times.

"Autodesk recognizes that reseller partners like [IMAGINiT Technologies](#) are the keys to our business," said Steven Blum, senior vice president, Americas Sales, Autodesk. "IMAGINiT's performance illustrates the results achieved when our resellers are invested in helping customers innovate."

The Reseller of the Quarter designation is based on factors such as quality of customer service and support, overall sales, vertical sales and overall growth. Customer adoption of integrated solutions and 3D design technologies from Autodesk has helped to propel IMAGINiT's growth.

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AVEVA Opens New Office in Brazil

6 October 2008

[AVEVA](#) announced a major expansion of its presence in the Latin American region. AVEVA do Brazil is officially open and operating an office in Rio de Janeiro. This new office will immediately begin providing product solutions and service support country wide.

AVEVA's commitment to Latin American customers is well recognized in Brazil, Mexico, Chile, Venezuela, Columbia, Argentina and Peru. The Company has opened this office to better serve its growing customer base in Brazil, and looks forward to expanded delivery of its technology and support that is relied upon by many regional companies, including the major Brazilian energy company. The office in Rio is strategically located, providing easy access to customers, as well as to most of the engineering contractors serving the oil and gas market.

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COADE Inc. Establishes Its First Overseas Subsidiary, COADE Japan

10 October 2008

[COADE](#) announced that it has opened COADE Japan, with the name officially registered on September 10th, 2008. COADE Japan is the first company-owned overseas subsidiary for COADE, Inc.

Headquartered in Houston, Texas, COADE is the developer of CADWorx Plant Design Suite, an AutoCAD-based 3D plant design solution; CAESAR II, a widely used pipe stress analysis solution; and PV Elite, for pressure vessel and exchanger design and analysis. COADE also co-developed CADWorx fieldPipe, a 3D laser-based solution that enables intelligent information gathering.

COADE's CAESAR II is already well established in Japan and is widely used in the plant engineering industry there as well as globally. Support for this product in Japan continues to be provided by COADE's local representatives, IT Solutions and Toyo Engineering. For intelligent plant design, COADE's CADWorx Plant Design Suite is used by several of the country's large engineering firms.

By establishing COADE Japan, the company intends to expand its presence with this new regional

representation.

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CollabNet Announces Subversion Training at Samsung SDS Multi Campus

8 October 2008

CollabNet, the primary sponsor of the Subversion® open source project and leading provider of distributed software development solutions, announced that it will begin facilitating training courses for Subversion, its Software Configuration Management (SCM) tool, at the Samsung SDS Multi Campus – the largest training facility in Korea. Samsung SDS offers a wide range of business and technical training and certification services with more than 400,000 participants and courses from leading software vendors such as SAP, Oracle, Intel and PriceWaterhouseCoopers.

CollabNet’s course will be titled “The Configuration Management Practical Affairs with Subversion,” and will focus on basic knowledge of SCM and how it relates to Subversion. Classes are limited to 25 students and will be held monthly, starting October 23. The course subject matter is targeted to developers and Subversion administrators, who should expect to walk away with knowledge of Subversion basics and the latest use case examples and reference materials to optimize the usage and increase the efficiency of Subversion within their organization.

“In 2008, CollabNet has seen a rapid increase in the growth of Subversion use within the Korean market. To fulfill this growing demand, CollabNet is thrilled to partner with Samsung SDS as a part of its distinguished training programs and bring Subversion education to the Korean community,” said Taki Katashiba, Vice President of Asia Pacific at CollabNet. “We will continue to develop more complementary, strategic partnerships throughout the Asia-Pacific region to evangelize the benefits of Subversion.”

As global collaboration and version management becomes more essential to the software development lifecycle, Subversion is the open source tool of choice for distributed and multi-site development organizations with an estimated 2 million users around the world. CollabNet, the company that started the Subversion open source project in 2000, offers an enterprise-ready distribution of Subversion that includes certified binaries, platform-specific installers, certified plug-ins for other tools, and enterprise-ready add-ons.

Visit CollabNet at <http://www.collab.net> or get more information about Subversion at <http://www.collab.net/subversion>.

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COADE Publishes New Product Literature on CADWorx, CAESAR II, PV Elite and TANK Software Solutions

8 October 2008

COADE announced the publication of a new series of product literature, in both English and Japanese, on the latest versions of the company’s plant design and engineering analysis software solutions. The new series includes brochures on the CADWorx Plant Design Suite, an AutoCAD-based 3D plant design solution; CAESAR II, a pipe stress analysis solution; PV Elite, for pressure vessel and exchanger design and analysis; and TANK for the design and analysis of oil storage tanks. The literature covers

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many new features and capabilities of these products from COADE.

These new product brochures are available at <http://www.coade.com> in various formats, including hardcopy and PDF.

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Events News

Anark to Exhibit at Annual AGI Users' Conference

6 October 2008

Anark Corporation announced it will exhibit at the annual Analytical Graphics, Inc. (AGI) Users' Conference, taking place October 7-9, 2008 in Chicago, Illinois.

Anark will demonstrate the recently released Anark Core™ Platform version 2.0. Anark Core is a software solution that transforms native 3D CAD data for use throughout manufacturing design, engineering, and support organizations. Anark has added several features to Anark Core to further reduce the time and effort currently required to prepare 3D CAD data for use within AGI's STK.

This latest version provides users with expanded conversion, transformation, and automation capabilities to cost-effectively prepare 3D product design data for visualization, simulation, CAE, and supply-chain-data-exchange applications. Version 2.0 also provides users with the ability to automate 3D product geometry and structure modification, and then export revised product data into high-precision B-rep and lightweight mesh formats including SolidWorks®, Inventor®, ACIS®, CATIA® V4/V5, Parasolid®, STEP, NX (formerly Unigraphics), IGES, COLLADA, DWF, X3D, and VRML.

"As an AGI Affiliated Product Partner, we look forward to taking part in the AGI Users' Conference where we can demonstrate the powerful workflow between Anark Core and STK, as well as the new and innovative capabilities that have been added to version 2.0," said Stephen Collins, CEO, Anark Corporation. "We are particularly excited to demonstrate Anark Core's ability to quickly and easily transform 3D CAD geometry for use in STK, which will save AGI's customers significant time and expense when developing visual simulation applications."

"We are extremely pleased to have Anark showcase their innovative Anark Core Platform at this year's event," said Dr. Peter Aves, AGI director of partner and alliances. "The integration between Anark Core and STK provides great power and potential to our broad customer base, and we look forward to them demonstrating the new capabilities that have been added in version 2.0."

Anark is also offering a special promotion for STK users. Effective today through December 31, 2008 STK users will receive 10 percent off the list price of Anark Core plus free Basic Support and Maintenance for one calendar year from initial purchase. To find out more about this exclusive offer please visit Anark at booth #2 at the AGI Users' Conference, or contact them at solutions@anark.com.

The Anark Core Platform will be on display at the annual AGI Users' Conference at the Renaissance Schaumburg Hotel & Convention Center, Chicago, IL, booth 2, October 7-9, 2008. To schedule a demonstration prior to the show please contact Anark directly at solutions@anark.com.

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Cimatron and American Machinist Magazine Attract Hundreds of Tool Makers to Online Seminar

7 October 2008

Hundreds of tool makers registered to view an online web seminar (webinar) hosted by American Machinist Magazine and sponsored by Cimatron. The webinar examined best practices for making concurrent engineering a success in today's machine shop. A recording of the webinar is now available on the Cimatron website at <http://www.cimatrontech.com>.

The event featured keynote speaker David Lindemann, Senior Application Engineer, Cimatron Technologies, Inc. With more than 20 years of experience in the tooling industry, Lindemann defines true concurrent engineering and reveals proven methods for shortening delivery times.

“People have their own idea about what concurrent engineering is. It is not about throwing all the resources of the shop at the job just to get it done and out the door. The idea is to have the ability to start several different design and manufacturing processes simultaneously, keeping everyone current and working along the same path. When facilitated properly, concurrent engineering can be the key to improving delivery times and bottom-line results,” said Lindemann.

Lawrence Haftl, Senior Editor of American Machinist, served as the webinar moderator.

To view the recording of the webinar and for additional information on concurrent engineering, including a white paper on “Concurrent Engineering for Today's Tool Shop”, visit <http://www.cimatrontech.com>.



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Delcam Offers New CAM Range at JIMTOF

9 October 2008

Delcam Japan will launch new versions across the complete range of the company's machining software at the JIMTOF exhibition to be held at the Tokyo Big Sight from 28th October to 4th November. JIMTOF is the biggest machine tool exhibition in Asia and so provides an ideal platform for Delcam to show its latest developments to manufacturers from Japan and across Asia.

The complete range of Delcam machining software comprises PowerMILL for high-speed and five-axis machining, FeatureCAM for feature-based programming, PartMaker for Swiss-type lathes and turn-mill equipment, and ArtCAM for engraving and routing. Together, these programs comprise the world's most comprehensive range of CAM software from a single supplier. This means that Delcam can provide larger companies with a single source for their entire CAM programming needs. At the same time, the broad coverage means that Delcam can also supply smaller companies with exactly the software they need, rather than a compromise solution from a more limited choice.

The new release of Delcam's PowerMILL CAM software offers a more complete solution for complex machining operations, together with more control for experienced machinists that know exactly how they wish to machine a particular part. The program also incorporates a number of improvements to reduce calculation times, together with some simplification of the user interface that makes it easier to select the required command and so makes programming faster. In addition, toolpath ordering has been made more efficient, especially for roughing and rest machining, so ensuring that the cutter spends more time machining and minimal time making air moves.

FeatureCAM 2009 incorporates enhancements across its complete range of functionality, reflecting the

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increased investment in product development following Delcam's acquisition of the software in 2005. An important focus has been increased options for more complex machines, such as mill-turn equipment, and four- and five-axis mills. This allows users to tackle more sophisticated parts than could be programmed before. Developments have also continued to increase the efficiency of the more fundamental machining operations, including turning, and two- and three-axis milling.

Major highlights of the new release of PartMaker include a revamped and more productive user-interface, improved capabilities for programming directly on solid models and more realistic machine simulation for the increasingly-complex machine architectures of today's multi-axis turn-mill centres and Swiss-type lathes. The enhanced user interface will make PartMaker users even more productive in programming their CNC equipment, while offering new users and even easier to learn, more capable CNC programming platform.

Improvements across the ArtCAM family of software include new sculpting and embossing tools in the Pro and JewelSmith versions. On the machining side, the main emphasis has been on improved strategies for harder materials to enable more efficient and faster engraving of metal tooling. Other enhancements across the complete ArtCAM range include the ability to export designs in the 3D pdf format used by the Adobe Acrobat reader, auto-recovery of data, for example if there is a power failure to the computer, and much more realistic simulation of machining in a variety of materials.

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ESPRIT 2008 and ESPRIT Mold Version 9 at Monozukuri Fair 2008

9 October 2008

ESPRIT® 2008 and ESPRIT Mold Version 9 will be on display at Monozukuri Fair 2008, to take place in Fukuoka, Japan, Oct. 23-25.

Visitors to the ESPRIT booth at Marine Messe Fukuoka can expect one-on-one interaction with staff from DP Technology's resellers, as well as demonstrations of new software upgrades.

Advancements available within ESPRIT 2008 include turning stock automation for lathes, EDM machine specific machining technology, improved 3D machining performance open pocket milling, B-axis turning for 5-axis mill-turn machines, and more.

The latest release of ESPRIT Mold includes significant performance increases for the 3D programmer that result in the reduction of cycle times of 25-50 percent or more while simultaneously increasing part quality and reducing programming time and effort.

On display at Monozukuri Fair 2008, enhancements within ESPRIT 2008 and ESPRIT Mold v9 reduce the time required to produce part programs, increase the quality of those programs and help reduce machining cycle times.

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Geometric to Showcase Integrated PLM-MES Solutions at Wonderworld 2008

3 October 2008

[Geometric Limited](#) will exhibit various solutions aimed at driving operational excellence for process industries at Wonderworld 2008 in Las Vegas from Oct 6-8 2008, at booth nos. 28 & 29. The company

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will exhibit its strength in integrated PLM-MES solutions as well as 3D visualization for manufacturers.

Leveraging its expertise in Product Lifecycle Management (PLM), and Manufacturing Operations Management (MOM), Geometric will demonstrate how manufacturers can achieve their manufacturing objectives for new products, through an integrated product and production vision. Geometric's solutions integrate product recipe development with manufacturing execution, enabling manufacturers to ramp-up the volume of new products and derive benefits through a small window of high demand. Geometric will run an integrated demo spanning diverse systems and platforms across MES and process PLM. One of the highlights of the demo is the use of the new Wonderware IndustryApp for Food & Beverage packaging.

Attendees to the event will also be able to explore how 3D visualization can enable visual manufacturing, with Geometric's 3DShopFloor plug-in for Wonderware InTouch, which converts 2D SCADA graphics to 3D images, at the click of button.

Geometric will make two presentations during the event. The first presentation 'Ensuring Success of Global MES Deployment' will discuss how companies that are planning global MES deployment can leverage the Wonderware ecosystem of product experts, and local & global system integrators. The second presentation on 'Leveraging PLM-MES integrated solutions to gain a new level of agility in Food & Beverage industry' will introduce some of the key concepts of PLM for the industry along with success stories.

Geometric specializes in providing Manufacturing IT solutions and services to customers worldwide, enabling them to achieve their business goals thorough excellence in global MOM and Digital Manufacturing. With extensive cross-domain knowledge of business processes, the company helps in binding heterogeneous PLM, MES and ERP systems, to deliver value beyond the isolated systems.

Geometric entered into a strategic partnership with Wonderware business unit of Invensys, earlier this year, and works as their global systems integrator. The partnership leverages Geometric's domain expertise, the dedicated Wonderware Center of Excellence (CoE), and global delivery capability to deliver value to customers.

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Intrinsys Organises CATIA for Yacht Design Seminars in October

10 October 2008

Dassault Systemes has developed a dedicated CATIA CAD course aimed at meeting the needs of the marine industry. Intrinsys has organised this "CATIA Seminar/workshop" to demonstrate the product and show how it works in the context of the yacht industry. This will be followed by an opportunity for attendees to use the software for themselves.

The seminar is being held on 21st October 08 in Milton Keynes and on 23rd October in Southampton. The agenda will include an introduction to CATIA V5 and CATIA for Yacht design.

For more information and bookings contact Angela Cairns acairns@intrinsys.co.uk

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CIMdata PLM Industry Summary

ITI TranscenData Presenting at COE Automotive and Aerospace-Defense Workshops

8 October 2008

ITI TranscenData will be exhibiting and presenting at the 2008 [COE Automotive Workshop](#) in Detroit on October 15-16 and the [COE Aerospace-Defense Workshop](#) in Wichita on October 27-28.

As an industry leader in product data interoperability solutions and the developers of CADIQ as the multi-CAD, native CAD model quality and validation solution, ITI TranscenData will continue to address the important topic of 3D CAD Model Quality and Validation. The presentations will explore how when global companies implement model-based engineering and their customers demand model-centric data deliveries, it is critical that CAD models be validated throughout their product lifecycle to avoid the high costs and schedule delays caused by quality defects or unintentional changes. Using production implementation examples, these presentations will outline methods for validating CAD models during manual or software based legacy migration, design release, engineering change and long-term archival.

"We look forward to actively exhibiting and presenting at COE again this year", says Jim Martin, ITI TranscenData Technical Marketing. "ITI TranscenData has developed our cutting edge validation technologies and methodologies from engagements with our customers and consortium partners. Through our activities with the American Institute of Aeronautics and Astronautics (AIAA), Aerospace Industries Association (AIA), PDES Inc., LOTAR, COE, the [3D Collaboration and Interoperability Conference](#), SASIG and other forums, we continue to expand our ability to address the challenges customers have in maintaining and validating design knowledge. Our technical experts have been working hard on CADIQ Version 6.0 due later in 2008 and I am excited to outline how our next generation technology will expand the validation capabilities available to our customers."

About ITI TranscenData

[ITI TranscenData](#) is the product data interoperability business within International TechneGroup Incorporated (ITI). ITI TranscenData provides interoperability solutions that enable companies to effectively exchange, reuse, integrate and share engineering product data among diverse software applications used throughout a manufacturing enterprise and its supply chain. ITI TranscenData solutions are aimed directly at reducing and eliminating non-value-added time and costs associated with reusing product data. ITI TranscenData solutions are distributed worldwide through a combination of direct sales, resellers, and strategic vendor/OEM partners. Included among ITI TranscenData's customers are ABB, Airbus, BAE Systems, Boeing, EADS, Ford, Honeywell, Lego, Lockheed Martin, MAHLE Powertrain, Pratt & Whitney, Raytheon, Renault, Rockwell Collins, Rolls Royce, Samsung Electronics, Siemens Automotive, Snecma, Spirit AeroSystems, Thales, ThyssenKrupp, US Air Force, US Army, Xerox and others.

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Ranger Boats "Reel In" Quick ROI With Lectra Solutions

6 October 2008

Lectra announced their participation at the International Boat Builders' Exhibition & Conference 2008 (IBEX). Held at the Miami Beach Convention Center in Miami, Florida, October 6-8, 2008, IBEX is a trade show dedicated exclusively to the education and purchasing needs of professional boat builders, designers, repairers, surveyors, and boatyard and marina managers. Lectra (booth #2041) will

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demonstrate its latest 3D and 2D software innovations for the boating industry. Lectra also takes this opportunity to highlight their customer, Ranger Boats, and how they have chosen Lectra as their exclusive supplier for CAD/CAM technology. With Lectra's value-added solutions, Ranger Boats has seen a 6 month return on investment (ROI).

Companies in the marine market share the same challenges: maximizing material usage and empowering an efficient workforce. Lectra develops highly customized solutions for maintaining quality control at every stage, from 3D design and simulation to manufacturing, with a suite of complete material spreading and cutting solutions tailored to the needs of each market and industry.

Ranger Boats was using another cutting tool, but replaced that system with Lectra's solutions. A major driver in switching to Lectra was its ability to generate high quality cut parts with a dependable solution. After an extensive evaluation, [Ranger Boats](#) selected Lectra's leading cutting solution -- the Vector. They felt it was the best solution in the industry and would enable them to produce their high-quality, zero-defect components with the lowest total cost of ownership.

According to Mr. Dan Heiskell, Plant Manager at Ranger Boats, "Our boats are built to excel. From the design to the construction, we pride ourselves on the highest commitment to quality, performance, and innovation. That's why we trust Lectra to help us stay profitable in our market and meet our customer demands. After using other industry solutions, it was clear Lectra is the company that allows us to offer our customers the highest value products."

"[Lectra](#) is honored to be an important part of Ranger Boats' rich heritage. Their commitment to deliver the strongest product line in the industry lead them to switch their current solution to Lectra," according to Roy Shurling, president of Lectra North America. "We are confident Lectra's superior solutions, innovations, and customer satisfaction will allow Ranger Boats to stay on top of this very competitive market."

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Financial News

Catalog Data Solutions Announces 90% Growth in Q3 2008 and YTD

9 October 2008

Catalog Data Solutions (CDS) announced that its Q3 2008 increased by 95% over Q3 2007 and year to date (YTD) is 90%.

New customers already added in 2008 include Anvil International, aMsp (All Metric Small Parts), AST Bearings, Aviation Metals, B & B Manufacturing, Boston Gear, California Caster, EDrive Design, Fibergrate Composite Structures, Gates Power Transmission, General Bearing, KzValve, Plastic Products, Standard Lifters, Hiplains Filtration, Tomkins, Warner Electric as well as Altra, Boston Gear and Warner Electric in conjunction with CDS partner i-Mark and Thermaco-Big Dipper and Charlotte Pipe in conjunction CDS partner NETworks Marketing Group. In addition the company continued to expand the content available on its new free CAD model search engine www.3DModelSpace.com.

As Chris Viray of StrataLight said, "Online CAD models sometimes dictate which vendor I choose. If I am looking at two vendors, and one has online CAD models it makes it much, much easier for me to implement their part into my assembly."

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"Our continued strong growth despite the tightened manufacturing market underlines that manufacturers are moving their marketing spend online line," said John Major, CEO, Catalog Data Solutions. "More than 90% of design engineers search for parts online – whether they are looking for new parts, spare parts or CAD models our products save engineers valuable design time and make it easier for industrial suppliers' products to be selected.

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Dassault Systemes Schedules Third Quarter Results Webcast and Conference Call for October 29, 2008

6 October 2008

Dassault Systèmes (DS) will host a webcast and a conference call on Wednesday, October 29, 2008, to discuss its operating performance for the third quarter ended September 30, 2008.

The management of Dassault Systèmes will host the webcast at 8:30 AM London Time - 9:30 AM Paris Time and will then also host the conference call at 10:00 AM New York Time - 2:00 PM London Time - 3:00 PM Paris Time to discuss the Company's operating performance.

Both the webcast and the conference call will be available via the Internet by accessing Dassault Systèmes' website at <http://www.3ds.com/corporate/investors/>.

Follow the directions on the main page to link to the audio.

Please go to the website at least fifteen minutes prior to the webcast or conference call to register, to download and install any necessary software. The webcast and conference call will be archived for 30 days.

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IBM Announces Preliminary 2008 Third-Quarter EPS of \$2.05; Reaffirms Full-Year 2008 EPS Outlook of at Least \$8.75

9 October 2008

- Diluted earnings of \$2.05 per share, up 22 percent;
- Net income of \$2.8 billion, up 20 percent;
- Pre-tax income of \$3.9 billion, up 19 percent;
- Revenue of \$25.3 billion, up 5 percent.

IBM announced third-quarter 2008 diluted earnings of \$2.05 per share from continuing operations, an increase of 22 percent, compared with diluted earnings of \$1.68 per share in the third quarter of 2007. The company also reported net income of \$2.8 billion, an increase of 20 percent. Revenue increased 5 percent, including 3 points of currency benefit, to \$25.3 billion, compared with the third quarter of 2007.

IBM said it continues to expect full-year 2008 earnings per share of at least \$8.75, or year-to-year growth of 22 percent.

The company's gross profit margin in the third quarter was 43.3 percent compared with 41.3 percent in the third quarter of 2007. Pre-tax income was \$3.9 billion, an increase of 19 percent compared with the third quarter of 2007.

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At the end of the third quarter, IBM's year-to-date free cash flow was approximately \$6.4 billion and its cash balance was \$9.8 billion.

“Our results demonstrate that the combination of a steady base of recurring revenue and profits, investments for growth in emerging markets, a range of products and services that deliver value to clients, and a strong and flexible financial foundation give IBM a competitive edge in good times and tough times,” said Samuel J. Palmisano, IBM chairman, president and chief executive officer. “We remain confident in our full-year outlook.”

IBM will provide more detailed information about its third quarter results during its regularly scheduled Webcast.

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MSC.Software to Announce Third Quarter Earnings and Hold Conference Call and Webcast on November 4, 2008

9 October 2008

MSC.Software Corporation announced that it will host a conference call to discuss third quarter financial results on Tuesday, November 4, 2008 at 8:00 am Pacific (11:00 am Eastern). The earnings press release will be issued before the market opens on November 4, 2008.

The third quarter conference call will include a slide presentation that can be downloaded at: <http://www.mscsoftware.com/ir/>. The conference call can be accessed by web cast at: <http://www.mscsoftware.com/ir/> or by dialing in to (800) 374-0151 for US callers or (706) 634-4981 for international callers. To participate in the live conference call, use the following conference ID code 68570574.

An archived version of the conference call will be available at <http://www.mscsoftware.com/ir/>. The teleconference replay will be available for 48 hours and can be accessed by dialing in to: U.S. (800) 642-1687 or Intl. (706) 645-9291 using the conference ID code 68570574.

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SAP Announces 2008 Third Quarter Preliminary Software and Software-Related Service Revenue Numbers

6 October 2008

SAP AG announced that after a preliminary review of its 2008 third quarter revenues, it expects third quarter 2008 U.S. GAAP software and software-related service revenues to be between €1.970 billion and €1.980 billion (2007: €1.74 billion), representing an increase of 13% - 14% compared to the third quarter of 2007. Non-GAAP software and software-related service revenues, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of around €40 million, for the third quarter of 2008 is expected to be between €2.010 and €2.020 billion (2007: €1.74 billion). This represents an increase of 16% - 17% (20% - 21% at constant currencies) compared to the third quarter of 2007.

“The market developments of the past several weeks have been dramatic and worrying to many businesses. These concerns triggered a very sudden and unexpected drop in business activity at the end of the quarter,” said Henning Kagermann, Co-CEO of SAP. “Throughout the third quarter we felt quite

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positive about our ability to meet our expectations. Unfortunately, SAP was not immune from the economic and financial crisis that has enveloped the markets in the second half of September, causing us to report numbers below our expectations.”

Third quarter 2008 U.S. GAAP software revenues are expected to be between €740 and €750 million (2007: €715 million), representing an increase of 4% - 5% (7% - 9% at constant currencies) compared to the third quarter of 2007.

“The overall fundamentals of our business remain in place. SAP did report double-digit growth in software and software-related service revenues for the quarter and we expect to have gained further market share, even during unfavorable market conditions. This is the result of our leading product portfolio, our widely diversified customer base and our geographic and industry diversification and strength. We will continue to assess and monitor the situation and report back at the end of the month,” concluded Mr. Kagermann.

Regional Performance

On a U.S. GAAP basis, the Americas region is expected to report software and software-related service revenues growth of around 12% for the third quarter of 2008 compared to the third quarter of 2007. The EMEA region is expected to report U.S. GAAP software and software-related service revenues growth of around 14% for the third quarter of 2008 compared to the third quarter of 2007. The APJ region is expected to report U.S. GAAP software and software-related service revenues growth of around 18% for the third quarter of 2008 compared to the third quarter of 2007.

On a Non-GAAP basis, the Americas region is expected to report software and software-related service revenues growth of around 16% (around 23% at constant currencies) for the third quarter of 2008 compared to the third quarter of 2007. The EMEA region is expected to report Non-GAAP software and software-related service revenues growth of around 16% (around 18% at constant currencies) for the third quarter of 2008 compared to the third quarter of 2007. The APJ region is expected to report Non-GAAP software and software-related service revenues growth of around 18% (around 24% at constant currencies) for the third quarter of 2008 compared to the third quarter of 2007.

Nine Month 2008 Performance

Nine months 2008 U.S. GAAP software and software-related service revenues are expected to be between €5.770 billion and €5.780 billion (2007: €4.95 billion), representing an increase of 16% - 17% compared to the first nine months of 2007. Non-GAAP software and software-related service revenues for the first nine months of 2008, which exclude a non-recurring deferred support revenue write-down from the acquisition of Business Objects of around €140 million, are expected to be between €5.910 and €5.920 billion (2007: €4.95 billion). This represents an increase of 19% - 20% (25% - 26% at constant currencies) compared to the first nine months of 2007.

As SAP is still finalizing the quarter-end closing process, total revenues and operating income are not yet available and will be provided along with further details on October 28th, including an update of its 2008 outlook.

Webcast/Supplementary Financial Information

SAP senior management will host a conference call for financial analysts today at 5:30 pm (CET) / 4:30 pm (UK) / 11:30 am (EDT) / 8:30 am (PDT), followed by conference call for media at 6:00 pm (CET) / 5:00 pm (UK) / 12:00 am (EDT) / 9:00 am (PDT). Both conference calls will be Webcast live on the Company's Web site at <http://www.sap.com> and will be available for replay purposes as well.

Dial-in numbers for conference calls:

Investor and Analyst Conference Call

(Germany) +49 6958 999 0797

(UK) +44 20 8515 2302

(US) +1 480 248 5085

Replay Numbers:

(UK/Europe) +44 20 7154 2833

(US) +1 303 590 3030

Passcode: 3929159#

Press Conference Call

(Germany) +49 6958 999 0706

(UK) +44 207 190 1596

(US) +1 480 629 9041

Replay Numbers:

(UK/Europe) +44 207 154 2833

(US) +1 303 590 3030

Passcode: 3929163#

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Implementation Investments

Aqualux Drains Wasted Time out of Shower Design with SolidWorks and 3DVIA

6 October 2008

International bathroom fixtures company Aqualux Products Ltd. has cut between 25 to 40 percent off the time it needs to produce documentation for its shower enclosures and bath screens with SolidWorks® 3D CAD software and 3DVIA® Composer authoring tool, Dassault Systèmes SolidWorks Corp. announced today.

[SolidWorks](#) and 3DVIA enable Aqualux's seven-person design team to move a product from design through tooling, manufacturing, and shipping in as little as ten weeks to meet demands from its customers, which include independent bathroom retailers and "big box" home improvement stores throughout Europe. Aqualux, the largest manufacturer of shower enclosures and bath screens by volume in the U.K., designs products and tooling in SolidWorks at its U.K. facility. Designers also use it to provide customers with prototypes and full mockups for design and cost reviews. Aqualux then sends the final specifications to a manufacturer in China as digital files.

Aqualux produces all of its product brochures, technical specifications, and assembly instructions based on SolidWorks models with the 3DVIA authoring tool. Accurate documentation for new and re-designed products is critical because many of Aqualux's customers sell to consumers installing shower

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enclosures and bath screens themselves, not plumbing professionals who could make do with less detailed directions.

“We have to provide layman-level instructions to the end customer as well as detailed instructions for our service and quality control people so they can walk consumers through the build when they don’t understand something,” said Aqualux Design Manager Neil Harrison. “3DVIA Composer was a huge leap forward for us in producing documentation. Before, we had to bring isolated views from SolidWorks into an illustration program and clean them up to show the tools and the bathroom views so customers could see them in context. That was very labor-intensive and time consuming. 3DVIA cuts 25 to 40 percent from that process, depending on the product, and with much less aggravation and higher quality manuals with extra instructions and graphics.”

Harrison said Aqualux plans to use more of 3DVIA’s capabilities in the future. Among the company’s plans are providing full online 3D views of products that enable customers to rotate images to show, for example, the underside of an assembly that’s giving them trouble. That is the kind of detailed, useful information that 3DVIA was designed to communicate, according to Chris McManus, the U.K. and Ireland country manager for Dassault Systèmes SolidWorks Corp.

“Printed documentation still has a role in consumer products, but there is a lot of information that can’t be communicated with a 2D document. 3DVIA helps on both ends of the process by streamlining 2D documentation production and giving companies a fast, easy way to supplement printed information with electronic 3D views,” McManus said.

Aqualux relies on authorized SolidWorks UK reseller [Solid Solutions Management](#) for ongoing training, implementation, and support.

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AspenTech Announces BASF as First Customer to Deploy aspenONE Using Microsoft Application Virtualization Technology

6 October 2008

Aspen Technology, Inc. announced that the first deployment of aspenONE software using Microsoft Application Virtualization was completed by long-time customer BASF.

BASF used Microsoft Application Virtualization to accelerate how quickly its worldwide process engineering team can begin using and realizing value from new releases and updates of the aspenONE Process Engineering suite.

BASF engineers throughout the world have used aspenONE for years to create higher quality process modeling simulations and costing and sizing activities which improve plant designs and optimizes production.

Now, BASF is achieving additional IT and operational cost savings and faster performance improvements leveraging Microsoft Application Virtualization.

Microsoft’s virtualization technology decouples applications from operating systems and runs software as network services, making applications available whenever and wherever they are needed, even when disconnected from the network.

aspenONE is the application suite that enables process manufacturers to implement best practices for optimizing engineering, manufacturing, and supply chain operations. Earlier this month, AspenTech

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released aspenONE V7 for Process Engineering, making it easier for process industry companies to adopt the [seven best practices of engineering excellence](#).

Supporting Quotes:

Peter Michael Gress, Senior Vice President of Engineering at BASF

“We run some of the largest and most complex process simulations in the chemical industry, which makes it essential to have the right IT infrastructure and applications in place. BASF relies on AspenTech’s aspenONE Process Engineering suite to develop and run world-class operations. By virtualizing the solution, we can more quickly gain insights into plant and equipment behavior to optimize decision making, reduce capital and operating costs, increase engineering efficiency and quality, and accelerate time-to-market.”

Chris Colyer, Microsoft Director of Worldwide Manufacturing Operations

“Our partnership with AspenTech has helped BASF address their enterprise IT challenge of ensuring optimal software performance for their process engineers world-wide. By virtualizing the deployment of the aspenONE suite at BASF we have helped AspenTech and BASF IT Services increase the speed of deployment of aspenONE by more than 50 percent, while reducing software conflicts and risk associated with migrating to new versions.”

Blair Wheeler, Senior Vice President, Marketing, AspenTech

“This initiative reinforces AspenTech’s commitment to make our software easier to deploy and use across the enterprise. The world’s leading process manufacturing companies rely on the powerful optimization functionality of aspenONE, and our partnership with Microsoft enables us to deliver more value to industry-leading manufacturers such as [BASF](#).”

Supporting Resources:

Links to more information:

[Video of BASF engineers discussing how the aspenONE Process Engineering solution helps optimize their plant designs and production processes](#)

[Case study showing how virtualization of aspenONE accelerated BASF’s engineers being able to use realize value and improved ROI from aspenONE](#)

[Press release announcing how aspenONE uses Microsoft technologies for faster deployment of enterprise software for process manufacturers](#)

[About aspenONE Process Engineering solutions](#)

[About aspenONE V7](#)

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Autodesk Presents Revit BIM Experience Award to Loebermann + Partner

10 October 2008

[Autodesk, Inc.](#) has announced that Loebermann + Partner, an architectural firm based in Nuremberg, Germany, has been selected to receive a Revit BIM Experience Award. The firm is being honored for its effective use of the building information modeling (BIM) process for architectural planning and design, resulting in significant time and budget savings. The award also recognizes Loebermann + Partner for

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using Revit Architecture software to produce visualizations, especially during early design stages, and for using their BIM expertise to gain a competitive edge in their market.

"A BIM process provides us unique value at each stage of a commercial planning or building project," said Volker Bernsdorf, managing partner for Loebermann + Partner. "Using Revit Architecture for BIM helps us to quickly develop and evaluate alternatives. And because the related drawings, schedules and other factors are automatically coordinated with the model, we can explore design options and not worry about investing time creating supporting documentation for design options we may discard. Overall, we do more with a smaller team, and show significant gains in terms of time and budget."

Founded in 1959, Loebermann + Partner is a German architectural firm providing a full range of design and planning services. With a partner office in Istanbul, the 20-person firm works on an extensive range of projects, including office and administration buildings for commercial clients and insurance companies, high-rise buildings, shopping centers, department stores, cinemas, hotels, town halls, entire infrastructures and city planning, and residential estates. Some of the firm's recent projects include the Noris-Tower in Nuremberg, the Siemens Medical Solutions Training Center in Erlangen, and the renovation of the Atakoy marina in Istanbul. BuildingTools GmbH provided implementation and training services.

Loebermann + Partner has demonstrated exemplary use of the BIM process on several projects, including the 45,500-square-meter 5-Star-Hotel in Adana, Turkey. Currently in development, and scheduled to open in July 2009, the 245-room hotel project is a joint effort with 2Design, a Turkish architectural firm. For this project Loebermann + Partner did the basic evaluation, preliminary planning and design, with 2Design managing approval, implementation and detail planning. For the project Loebermann + Partner used Revit Architecture to:

- Help quickly generate a large quantity of renderings directly from early conceptual models
- Develop several design concepts within a single model
- Dynamically toggle between multiple design concepts for visualization review, and calculate gross volume and other elements needed to meet the client's program requirements
- More easily create repeatable design modules, such as a hotel room, that when modified automatically updates like modules
- Aid in keeping drawings, documentation, schedules, building component lists and room/floor summaries constantly updated

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Autodesk Presents Revit BIM Experience Award to ONL [Oosterhuis_Lenard]

10 October 2008

[Autodesk, Inc.](#) has announced that ONL [Oosterhuis_Lenard], a multidisciplinary design firm with offices in Rotterdam and Budapest, has been selected to receive a Revit BIM Experience Award. The firm is being recognized for use of a building information modeling (BIM) process for innovative mass-customization and file-to-factory fabrication strategies, and for employing an integrated Revit Architecture and Autodesk 3ds Max Design software workflow for visionary, non-standard architectural designs. The award also recognizes ONL's use of Revit Architecture software for sustainable design strategies.

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"As buildings become more complex, the need to control the huge amount of data required for engineering and production will depend heavily on data sets arising from BIM processes that include every aspect of the building," said Gijs Joosen, senior project architect, ONL. "Making all this information available in a digital model will help enable high levels of quality control, data synchronization and CNC-enabled production processes."

Founded in 1989, ONL currently employs a staff of architects, visual artists, web designers and programmers, and is known for the design of non-standard architecture and for the construction of affordable, custom components for geometrically complex projects where none of the base elements are the same.

The firm's diverse portfolio includes the WEB of North-Holland, the Saltwater Pavilion and the F-side housing project in Amsterdam. To support the need for high-quality, coordinated design information, ONL adopted Revit Architecture for BIM in 2004, integrating its use with Autodesk 3ds Max Design software.

ONL has demonstrated exemplary use of the BIM process on several projects, including the CET, a mixed-use development project located in the heart of Budapest on the Danube River scheduled to open in 2010. For this project ONL was challenged to transform two 19th century warehouses into an eye-catching integrated design intended to visually echo the contours of the Danube River near the site. The design incorporates a glass roof spanning the two existing parallel warehouses to form a gallery that extends into the interior of the new space. The firm used Autodesk 3ds Max Design software to develop the undulating skin of the structure. The ONL team imported the 3ds Max Design into Revit Architecture to flesh out the scheme by draping a curtain system over the faceted surface model. ONL's designers then used Revit Architecture to generate the architectural drawing set and schedules, and Autodesk 3ds Max Design to generate photo-realistic design visualizations for client and city official reviews. The elements of the CET's curtain wall system will be digitally fabricated by generating data from the Autodesk 3ds Max Design surface for computer numerical control (CNC) machining. For sustainable design, the Revit Architecture model was used for lighting and thermal studies.

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Autodesk Showcase Helps Bentley Motors Limited Create and Review Digital Prototypes

6 October 2008

Bentley Motors Limited is the latest prestige car manufacturer to choose Autodesk software. The firm, famous for its engineering and craftsmanship, has licensed Autodesk Showcase Professional software and predicts that it will almost halve the time required to create digital prototypes.

Jeff King, Digital Data manager at Bentley, said that he was looking for a software application that would enable concept designers to create images of the highest quality for faster and more informed decision making. "Being able to create accurate, realistic rendered images in this way gives us the opportunity to review designs and test the market at an earlier stage without physical prototypes," he said. "We are constantly looking at ways to make this process more efficient, and we believe that Showcase will help us streamline workflow while still offering the best visual experience possible."

"Increasingly, car manufacturers are recognizing the benefits of being able to offer design options that accurately reflect lifelike materials, lighting and environments at the concept stage," said Manish Amlani of Autodesk reseller Majenta Solutions UK, who secured the deal with Bentley. "Showcase enables users to do this and then review concepts in real time, so customers can make key decisions

efficiently and economically."

[Autodesk](#) Showcase visualization software, part of the Autodesk Solution for Digital Prototyping, creates accurate, realistic imagery from 3D CAD data to enable interactive, real-time design reviews in the highest visual quality.

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AutoLiv Selects Actify's SpinFire Solution

23 September 2008

[Actify, Inc.](#) announced that AutoLiv, a producer of car safety equipment, has chosen Actify's SpinFire Solution as part of their corporate strategy. With facilities and employees located globally, along with development and engineering centers around the world, AutoLiv faces pressure to remain competitive in this global market. AutoLiv recognizes the need to reduce costs through improve global communication and production.

"When deciding on a new design communication solution we had to think about the end-users, whom are potentially thousands of employees, contractors, customers, suppliers, and partners," said Tyler Paxton, PLM Analyst, AutoLiv North America and the evaluation committee leader for this project. "Being a diverse group with various skills, we needed something that was easy for non-technical users and also robust in areas for our engineers. We found SpinFire Professional to meet all our needs in terms of user features, vendor support, and cost."

Collaboration across the global extended enterprise (customers, suppliers, and partners) has become a standard business practice in the manufacturing industry. Recognizing this and staying true to their corporate Vision and Mission, AutoLiv's executives are strengthening AutoLiv's core business through a series of corporate strategies, one of them being the implementation of Actify's SpinFire Professional solution. AutoLiv's licenses will be used across the global enterprise by engineering, manufacturing, quality, purchasing, sales and legal. With SpinFire Professional, AutoLiv will have business benefits of reduced costs and active collaboration throughout the extended enterprise.

"The ability to make product data mobile and laptop compatible is not possible with your typical CAD solutions as they do not operate effectively on a reasonable machine and are too expensive for a casual user," said David Opsahl, CEO of Actify, Inc. "We at Actify are pleased to have been able to provide a global solution that fits AutoLiv's business needs, allowing them to be flexible and more competitive."

About AutoLiv

AutoLiv is a Swedish-American company with headquarters in Stockholm, Sweden, that in 1997 sprung from the merger of the Swedish company AutoLiv AB and Morton Automotive Safety Products, Inc., a division of the American firm Morton International. AutoLiv (the world's #1 producer of car safety equipment -- 40% marketshare) develops and manufactures automotive safety systems for all major automotive manufacturers in the world. Together with its joint ventures AutoLiv has 80 facilities with 36,100 employees in 30 vehicle-producing countries. In addition, the company has development and engineering centers in six countries around the world, including 20 test tracks, more than any other automotive safety supplier.

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Black & Decker Selects PTC® Windchill® Solutions As Backbone For Strategic PLM Initiatives

6 October 2008

PTC® announced that Black & Decker, a leading global manufacturer and marketer of power tools and accessories, hardware and home improvement products, and technology-based fastening systems, has selected Windchill for strategic product lifecycle management (PLM) initiatives in its Industrial Products Group. The implementation includes Windchill PDMLink®, Windchill ProjectLink™, Windchill PartsLink®, and Windchill Enterprise Systems Integration (ESI) to SAP®. Black & Decker will also take advantage of PTC services and educational offerings.

Black & Decker required a PLM solution that would enable it to accelerate time-to-market without compromising quality and innovation. Equally important was the company's desire to maximize its technology investment by embracing a solution that would support the complex collaboration and data management requirements of its heterogeneous CAD environment and global product development initiatives. Looking to improve the capabilities of the company's existing product data management (PDM) solution to successfully address these challenges, Black & Decker began searching for a replacement PLM system.

Windchill, the PTC content and process management solution, helps companies control product development data and enable internal and external product development collaboration. The breadth and depth of Windchill provides discrete manufacturers like Black & Decker a solution that advances their strategic initiatives in product quality, time-to-market, and innovation. Additionally, the integral Windchill architecture offers a high-quality and low-risk technology solution, providing a low total cost of ownership.

"As a global company with many design centers and manufacturing locations around the world, we have complex collaboration and data management requirements," said John Howson, vice president global engineering, Black & Decker. "Windchill now gives us the capability to easily integrate across our regions and functional groups."

"We are very pleased that Black & Decker selected Windchill as its enterprise PLM solution, and look forward to supporting their needs for years to come," said C. Richard Harrison, president and CEO, PTC. "As today's leading manufacturers execute growth strategies through innovation, acquisition and globalization, their processes become exponentially more complex. Customers like Black & Decker are turning to [PTC](#) to help optimize product development processes due to the power of our solutions and our expertise in solving these complex challenges."

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Capgemini and PCO Innovation Are Retained by Snecma, a SAFRAN Group Company, for PLM Integration Project "Virtual Platform"

7 October 2008

[Capgemini](#) and [PCO Innovation](#) announce that they have been selected by Snecma, a SAFRAN Group company, to implement its "Virtual Platform" project that will rebuild the company's IT system.

Capgemini and PCO Innovation, supported by software editor Siemens PLM Software, met Snecma's project requirements by combining the experience of a major integrator recognized for its know-how in the implementation of large and complex IT projects, especially in PLM with the expertise of a company with over a decade's experience in the implementation of PLM solutions, and the innovation of a

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software editor whose solutions have already been widely adopted in the aeronautics industry.

This three-year project will reinforce Capgemini's leadership and development strategy in France in the PLM market. Based on Capgemini's distributed delivery model, this project will be led by teams from the PLM Competence Centers of Capgemini Technology Services France (based in Toulouse) and PCO Innovation, with support from Capgemini's Aeronautics Offshore Center in Bangalore, India.

"It is extremely satisfying to have been selected by Snecma for this project. This decision rewards the work the team has accomplished in collaboration with Snecma over the last few months and demonstrates the strong coherence of our offering with respect to the challenge presented by our client. PLM is one of Capgemini's strategic offerings, particularly in the Aeronautics & Defence sector, and this three-year program will be the perfect illustration of this," said Walter Cappilati, Executive Director of Capgemini Sud SAS.

The teams from PCO Innovation are very motivated by what is an ambitious program; we are going to be able to take advantage of our know-how and our 12 years of experience to meet the business objectives of the PLM SNECMA implementation," said Olivier Létard, Co-Chairman of PCO Innovation.

PLM aims to enable the different entities of a company, from the delivery to the sales phase, to share their knowledge of the different stages in the lifecycle of a product (conception and design, manufacture, stocking, transport, sales, service and disposal) with its network of internal and external manufacturing partners. PLM generally covers Computer Aided Design (CAD), digital mock up, Product Data Management (PDM), collaborative Product Definition Management (cPDM) with clients and subcontractors, as well as integration within Enterprise Resource Planning (ERP), systems maintenance and technical documentation.

According to CIMdata, the global PLM market currently represents close to 17.2 billion Euros and is estimated to reach 30 billion Euros in revenues by 2012. Capgemini is mainly focused on the cPDM (Collaborative Product Data Management) sub-segment, which is today worth over 5 billion Euros globally and 320 million Euros of which represents the French market, with an annual growth of close to 15%. Capgemini has significantly developed in this fast-growing market in the last five years to become the PLM integrator of reference, with development centers in Toulouse, France and in Bangalore, India.

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Delcam's FeatureCAM Helps Ensure First-Class Packaging

10 October 2008

The packaging equipment manufacturer Schubert from Southern German offers its customers first-class packaging solutions, with Delcam's feature-based CAM software FeatureCAM playing an essential part in their manufacture. Even though it supplies its systems internationally, Schubert sees itself as a solidly-rooted German company. All of the components are developed on an in-house basis, or come from suppliers in the near neighbourhood of the company's Crailsheim headquarters.

The origins of the company go back to 1959, when the founder, Gerhard Schubert, first had the idea of inventing a modular system for packaging machines. He continued to experiment in his parents' garage, until the company was launched formally in 1966. Today, the company's has 600 employees on its payroll at Crailsheim. Around 120 packaging systems are manufactured every year, with a total value of around £100 million. In addition, Schubert has branches and agencies all over the world.

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“We were the first company to equip our packaging machines with robots, which put us in a position to open up completely new markets,” claimed Peter Schneider, Head of Schubert’s Materials Management department. “Until then, we had only been developing packaging solutions for confectionery but now our machines package products from all industrial sectors – pharmaceuticals, cosmetics, drinks, confectionery, frozen foods, dairy goods and technology products.”

Schubert relies on FeatureCAM to process the numerous components for its various packaging machines. “We have been using FeatureCAM since the end of 2006,” reports NC programmer Hans-Jürgen Kenst. “Before that, we had tried out a few CAM systems but we were never quite sure which was the most suitable for our requirements. FeatureCAM turned out to be the right solution. There is no machining task that we can’t handle with the help of FeatureCAM.”

“The CAM software we had used in the past did not have a sufficient range of functions to meet all our demands,” said Mr. Kenst, explaining the reasons why Schubert invested in a second CAM system. “FeatureCAM’s automatic feature machining makes my programming a lot easier.”

“Our machine operators were not satisfied with the post-processor output either,” Mr. Kenst added. “They wanted to be able to make changes on the machine at short notice. FeatureCAM makes this possible. In addition, our old system didn’t have a post-processor that could output the special cycles provided by the Heidenhain control system.”

Another advantage for Schubert’s NC programmers is the machine tool simulation. “None of the CAM software we used in the past had this function,” Mr. Kenst explained. “It is a very important utility, as you can detect the possibility of collisions occurring and so prevent it happening.”

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IBM Signs Services Agreement With Fashion Research Institute

9 October 2008

[IBM](#) announced it has signed a multi-million IBM Global Business Services agreement with the Fashion Research Institute (FRI) to implement a first-of-a-kind Virtual World Product Lifecycle Management (PLM) Enterprise System.

Fashion Research Institute, headquartered in New York, NY, conducts research into technology-based initiatives and develops emerging technologies to overhaul traditional fashion practices and methodologies. FRI’s mission is to reduce the carbon footprint and change the environmental impact of the industry in ways that are sustainable, replicable, respectful of the practitioners, and meaningful for all stakeholders. FRI maintains Shengri-La, a five-island complex in Second Life, and an OpenSim complex.

“We’re proud to pioneer the first big business solution that leverages the OpenSim virtual world platform to address economies of scale,” said Shenlei Winkler, FRI. “The Fashion Research Institute understands how to design real world consumer goods using a virtual world environment, and IBM understands the scaling challenges of global enterprise. Taking on both simultaneously is a winning move.”

This virtual world enterprise solution, expressly created as a product design environment, will offer a fundamentally new work flow addressing critical issues facing the design industry, such as ensuring manufacturability of designs and decreasing substantial sample costs by two-thirds. Users of this solution will ultimately be able to enter a virtual world, receive training on the systems, and take a design from concept to prototype -- with every step short of actual manufacturing being done virtually.

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This first-of-a-kind system will allow fashion and consumer packaging designers to access and use 3-D tools with the Second Life client interface. In addition it will also connect to the OpenSim virtual world platform to create packaging and fashion products, provide efficient workflow queues, and allow groups with an interest in the product to collaborate and modify designs. The program will also generate virtual product samples and accurate factory specifications that enable high quality product mass-manufacturing in the real world.

FRI will offer an IBM-backed and co-developed enterprise solution providing a simpler and more intuitive user interface than currently existing design-industry-oriented software including scalability for businesses of all sizes. Users of the IBM-built technology could see product sample creation costs and time to market decrease dramatically.

The initial proof-of-concept solution expected to go live in 2H09 will be piloted with up to 20 international design houses. Ultimately this solution will be offered as a design service or enterprise installation, to creative industry design houses of all sizes globally.

"As the Fashion Research Institute continues to enhance the IT capabilities of the fashion and consumer packaged goods industries, IBM's deep knowledge in product design, enterprise systems, and virtual worlds will help FRI bring new market opportunities to the fashion world," said Jeffrey Russell, IBM Global Business Services. "A design house implementing this solution could reduce dozens of weeks of design time, minimize the number of physical samples manufactured, and increase product manufacturing quality enough to put into development and production many additional collections."

The initial agreement was signed in March 2008 but was expanded in August 2008 to include consumer package design.

About the Fashion Research Institute

Fashion Research Institute conducts research into technology-based initiatives and develops emerging technologies to sweepingly overhaul traditional fashion industry practices and methodologies. FRI's mission is to reduce the carbon footprint and change the environmental impact of the industry in ways that are sustainable, replicable, respectful of the practitioners, and meaningful for all stakeholders. FRI maintains Shengri-La, a five-island complex in Second Life, and an OpenSim complex. FRI is an IBM business partner, and has been working closely with top IBM architects and researchers over the last year to develop its virtual-worlds-based product design solution.

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IFS Grows Footprint in Lockheed Martin F-35 Joint Strike Fighter Autonomic Logistics Information System

6 October 2008

IFS, the global enterprise application company, has announced that Lockheed Martin has decided to extend the use of IFS Applications™ in the F-35 Joint Strike Fighter Autonomic Logistics Information System (ALIS).

IFS Applications is currently deployed in ALIS for supply chain management. Lockheed Martin has now also selected IFS Applications as the foundation for ALIS maintenance management capability. The expanded IFS Applications footprint is expected to be contractually awarded and rolled out in support of the third Low Rate Initial Production (LRIP) contract of the F-35 Lightning II stealth fighter, which is planned to be fielded in 2010.

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ALIS is an embedded solution that integrates aircraft performance, operational parameters, aircraft configuration, scheduled upgrades and maintenance, component history, diagnostics, prognostics, health management, and service support for the F-35 aircraft. Essentially, condition reporting of aircraft wellness is automatically reported in-flight, so crews on the ground can rapidly marshal appropriate maintenance and repair efforts.

In July of this year, Lockheed Martin signed a contract to use IFS Applications to provide the core software for the JAMES Land (Joint Asset Management Engineering Solution) project for the UK Ministry of Defence. This expanded IFS' role in the JAMES 1 Project by adding IFS Applications components for engineering, asset data collection and analysis as well as workshop management for the modification of assets.

"As IFS grows its relationship with important aerospace and defense companies like Lockheed Martin, and as we become the go-to maintenance and enterprise asset management solution for government programs like the US Air Force Expeditionary Combat Support System (ECSS), we solidify our position as a leader in the aerospace and defense industry," IFS North America President Cindy Jaudon said. "We have built this position through developing specialized industry solutions, specifically in the area of maintenance and logistics, and through close alliances with well-respected partners like Lockheed Martin. We look forward to deepening these existing relationships and working with suppliers to major aerospace and defense OEMs as they equip themselves for success in today's demanding environment."

The Lockheed Martin F-35 Lightning II is a 5th generation fighter that combines stealth with supersonic speed. It is designed to replace current-generation fighters for the US Air Force, Navy and Marine Corps, and at least eight allied nations.

Aerospace & Defense is a targeted industry vertical for IFS. IFS' global capability is led by a dedicated business, IFS Defence Ltd., helping its customers and partners to meet the future challenges of transformation through a low-risk, low total ownership cost, step-by-step capability evolution. IFS Applications' strength in enterprise asset management (EAM), maintenance repair and overhaul (MRO) and defense manufacturing is complemented by its fully integrated project tracking and product data management (PDM) capabilities. IFS Applications is a best-practice solution for fleet management, MRO and supply chain management in A&D.

IFS customers within the Aerospace and Defense industry include the British, Norwegian, and US defense organizations as well as the Eurofighter consortium. Commercial MRO shops and operators include Finnair, Bristow Helicopters, Aero-Dienst GmbH, Hawker Pacific, and Jet Turbine Services. In addition, IFS provides solutions to original equipment manufacturers (OEMs) such as Lockheed Martin General Dynamics, BAE Systems, Saab, and GE Transportation. More details can be found at <http://www.ifsdefence.com>.

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Lawson Fashion Product Lifecycle Management Helping to Bring Greater Efficiency at Gini and Jony

8 October 2008

Lawson Software announced that India-based Gini and Jony, a leading manufacturer of children's apparel is experiencing growth, due, in part, to its use of Lawson Fashion Product Lifecycle Management (PLM). The solution is designed specifically around the needs of companies in the apparel sector, offering pre-configured functionality to address the key development and production issues

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facing apparel producers.

"The recent implementation of this web-based system has helped the product design and development team spend up to 50 percent less time than before recording the detail of each new range it designs," said Gagan Kahlon, head of IT at Gini and Jony.

The improvement in efficiency has also freed up time for the company's design team to think about new concepts for coming seasons. "We believe that Lawson Fashion PLM will help us grow more quickly because more time can be spent developing a range with greater consumer appeal," said Kahlon. "The technical pack in Lawson Fashion PLM enables us to record every detail of the lifecycle of each new product, including design sketches and a bill of materials. Information has become more transparent and accessible from any location, because the system is web-based. Everyone is confident it is accurate and up-to-date. Lawson Fashion PLM has also helped to improve working practices by creating more consistency and continuity in the way we work together internally, from design and procurement to sourcing and production."

Gini and Jony has also extended the use of Lawson Fashion PLM to strategic vendors, allowing better sharing of up-to-date information. This can help improve how Gini and Jony and its vendors manage changes to their production schedules.

Vibhaas Sing, head of design at Gini and Jony, leads a 22-person design team. He noted, "We produce about 800 styles, 1500 style options and 1600 color ways. At the end of the development cycle, it used to take up to 35 days to sift through all the paperwork, documenting each piece of information. Now, it takes just a few minutes each day to record information, including changes that are visible to everyone. And at the same time we have created a comprehensive reference library within the system. Lawson Fashion PLM makes us better equipped to develop more appealing designs and to create higher consumer demand and increased sales. The system makes us more creative and more effective, and will be key to our success in future seasons."

Ptex Solutions, a [Lawson](#) partner in India, implemented the system. Prasham Kamdar, managing partner of Ptex Solutions added, "Gini and Jony wanted a solution to streamline the design process and reduce time-to-market. Lawson Fashion PLM has exceeded expectations and it is making a tangible contribution to increasing market competitiveness."

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Magnet Leveraged Invention Machine's Innovation Software to Design First Anti-Leak Toilet Flapper for American Innovative Products

8 October 2008

Invention Machine announced that its customer [Magnet](#), used Invention Machine [Goldfire® Innovator](#) to design the first anti-leak [Siphon Flush](#) toilet-flapper for American Innovative Products. Siphon Flush's design eliminates water leakage in toilets, is impervious to harsh chemicals found in most water and cleaning solutions, and has a lifespan 20 times that of existing flappers. Goldfire Innovator empowered Magnet engineers to generate and validate product design concepts and eliminate design risks upfront which enabled them to bring the valve to market quickly. Siphon Flush is being unveiled this week at the WaterSmart Innovations Conference in Las Vegas.

Research indicates that more than 85 percent of water leakage in residential plumbing systems is found in the toilet and a majority of toilet leaks are caused by faulty or worn flappers. A silent leak in a toilet

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can waste 500 gallons of water a day, according to the Environmental Protection Agency. The U.S. Census Bureau estimates that there are more than 222 million residential toilets, which means the United States is losing more than 11 million gallons of water a day due to faulty flappers. This is in addition to the 2.1 trillion gallons of water consumed each year due to toilet usage in these homes as well as toilets in hotels, condominiums, etc. Siphon Flush's revolutionary design not only eliminates water-leakage but obsoletes the standard flush mechanism technology which was originally developed in 1955 and only lasts up to three years.

"I was simply looking for a way to stop my toilet from leaking," said Wally Berry, CEO, American Innovative Products. "Magnet and Invention Machine turned my idea into a revolutionary new product and delivered more than 56 percent savings on my anticipated cost."

To develop the Siphon Flush, Magnet product designers used Invention Machine's innovation software to identify the root cause of water leakage, analyze technology trends and materials, play out the consequences of design features to ensure the validity of the concept and anticipate future failure points. Goldfire Innovator also recommended concepts outside the engineers' sphere of expertise and offered viable solutions that expedited the idea-to-product process.

"We could not have designed and manufactured Siphon Flush as quickly or efficiently without Invention Machine," said Dave Pierson, senior design engineer, Magnet. "Goldfire was key in helping us converge unique ideas from various fields, including the life-sciences technology which we adopted into the design."

"In today's competitive and cash-strapped business environment, it is imperative for companies to innovate rapidly and cost-effectively," said Mark Atkins, CEO and chairman, Invention Machine. "Siphon Flush is a perfect example of how even small businesses can leverage our innovation software and build the right product the first time, quickly and profitably."

Siphon Flush is the second product Magnet has created using Goldfire Innovator. Magnet and Invention Machine helped design the [Accessmount](#), a tool used to install ceiling light fixtures, eliminating injuries associated with people falling off ladders.

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Omnify Software Helps Crystal Technology Reduce Engineering Change Cycles by 16%

7 October 2008

Omnify Software announced that Crystal Technology, a leading manufacturer of oxide single crystals, has experienced a 16% reduction in engineering change cycles since implementing the Omnify PLM solution. In addition, the company has achieved substantial cost savings, running at a return rate of approximately 2.5 times their investment over the first five years, with a projected ROI rate of 6.25 thereafter.

"We are very satisfied with the results of our Omnify implementation," stated Fred Garderes, director of supply chain management for Crystal Technology, Inc. "We have been able to reduce our ECO cycle by 16%, from 12 to 9 days, and this is trending towards even further reduction. We have also estimated significant cost savings of about \$250,000 over a 5-year period due to the enhancements made to our product development processes."

Volume manufacturing is Crystal's specialty with a notable annual production of 60 tons of single-crystalline lithium niobate. Crystal's staff of 150 people delivers a number of highly customized product

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lines involving internal and external development teams. This environment, coupled with increasing pressure from customers for solutions to be delivered in a much faster timeframe, required Crystal to take a look at their existing product development processes and find ways to improve efficiencies.

"First and foremost, we needed to eliminate waste associated with filing and searching for information," said Mr. Garderes. "We could no longer search through file cabinets to find historical and current information where one hour could be spent looking for one piece of information."

Automating their manual processes was essential to streamline communication among the product development teams for faster reviews and evaluation. In addition, automating the sharing of product development and change management information between their Infor ERP Baan system and Cadence® OrCAD® design environment would address data inconsistencies and eliminate re-work.

Crystal needed a PLM system to centralize and manage all of their in-depth product information such as part data, bill of materials, product documentation, supply chain information, and engineering changes, as well as streamline design and manufacturing processes. After assessing PLM vendors, Crystal selected the Omnify PLM solution because of its ability to address all of their requirements at a much more reasonable cost, easily integrate with their existing design and manufacturing systems, and the willingness of the Omnify team to support their needs.

"[Omnify Empower](#) is now the master database for all of our parts and products from cradle to grave at Crystal," stated Mr. Garderes. "The system was easy to configure and required little customization to reach our key needs, including the interface to Baan."

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The American Bureau of Shipping (ABS) Evaluates Offshore Platforms with Abaqus FEA

7 October 2008

Dassault Systèmes ([DS](#)) announced that the American Bureau of Shipping ([ABS](#)), a world leading offshore classification society, has selected the analysis capability of Abaqus finite element analysis (FEA) software from SIMULIA to assist in the evaluation of the structural strength of offshore drilling and production units.

Dedicated to promoting the security of life, property and the marine environment, ABS is at the forefront of research and technological innovations in setting standards for the international marine and offshore industry. To further advance its activities, ABS has selected Abaqus Unified FEA solutions from SIMULIA to evaluate the operational performance of offshore jack-up structures.

"Full-scale testing of offshore jack-up rigs is cost and time prohibitive," stated Jer-Fang Wu, head of the ABS Singapore Offshore Technology Center. "In the energy sector, there is a continuing trend towards larger, more complex projects that demand shorter, more intense design cycles. The realistic simulation capabilities of Abaqus provide a reliable and economical way to evaluate structural standards of engineering designs."

"The accuracy of structural analysis in order to engineer the safe operation of offshore units is imperative," states Ken Short, VP Strategy and Marketing, SIMULIA, Dassault Systèmes. "The selection of Abaqus by ABS validates our approach to the development and quality assurance of mission-critical tools for the certification of these structures dedicated to economical and environmentally safe energy exploration."

ABS selected Abaqus for its nonlinear analysis solution technology, its contact formulations and its simulation capabilities. Utilizing the soil and concrete material models available in Abaqus, ABS can more easily evaluate the behavior of jack-up rig designs operating in harsh, offshore environments.

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Product News

Airbus Partners with MSC.Software to Deliver Composite Materials Training to Employees and Suppliers

6 October 2008

[MSC.Software](#) announced successful completion of the first major phase of their Trans-National Composites Training (TCT) Program partnership with Airbus. The TCT program is an extensive accelerated skills project that delivers new levels of expertise and consistency in the application of composite materials. The program was designed to deliver more than 2000 graduates from Airbus employees and suppliers by the end of 2009.

Airbus introduced the TCT to promote consistent best-practice composite design methodology throughout the international Airbus community. With the objective to bring a closer coordination between design and analysis, the TCT content includes design/simulation scenarios of typical aero-structures such as cross beams, spars, and stiffened panels, together with test evaluation & correlation. Training achievement is identified by progression through five levels, from beginner and expert with typical participation being 20-30 days and involving both formal training and practical experience.

"A combined software and services provision is the cornerstone of MSC.Software's business offering. Training is of particular value with continuous skill development and consistency of practice being commonly reported as foundations for long-term competitiveness," said Amir Mobayen, Executive Vice President, Worldwide Sales and Services. "Partnered service projects such as the TCT program create mutual value, providing enhanced skills and process improvement to the Airbus workforce, while better integrating our own solutions in the Airbus methodology. The closeness of our coordination ultimately enables a better understanding and hence delivery to our customer."

Composite design and manufacturing capabilities within the aerospace sector continue to advance at an impressive rate, particularly in mainstream commercial aviation applications. For commercial airliners the strength to weight characteristics of composite construction brings significant benefits in increased range and payload, with reduced emissions; while increasingly automated design and manufacturing techniques are also delivering new levels of consistency and performance. Airbus has more than 30 years' experience in using composites technology in its aircraft, its application growing with each new product.

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ANSYS POLYFLOW 3.12 Enables Improved Manufacturing Engineering Simulation and VIRTUAL Prototyping

7 October 2008

[ANSYS, Inc.](#) announced the release of ANSYS® POLYFLOW® 3.12 software for analysis of plastic and rubber processing, glass forming, and food processing. This new version of ANSYS POLYFLOW

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technology is faster, more efficient and can handle larger problems than previous releases, since it includes several new solvers and modeling features tailored for specific applications. Newly built-in is the ability to provide data to structural analysis software from ANSYS, which improves the accuracy of virtual prototyping predictions.

ANSYS POLYFLOW software is particularly well known for its capability in modeling viscoelastic materials, which include many plastics, rubber, pastes and dough. These materials exhibit behaviors in between those of fluids and solids and are, therefore, difficult to simulate. Applications for which ANSYS POLYFLOW software is commonly used include blow molding for manufacturing plastic bottles; thermoforming for optimizing medical and food packaging; extrusion and inverse die design for developing rubber seals; and glass forming for designing tableware.

“The improved depth of ANSYS POLYFLOW means that users can now apply the software to more design problems,” said Chris Reid, vice president, marketing at ANSYS, Inc. “And the release addresses two important demands from our industrial users: running much larger simulations faster and with less memory than ever before, and completing the manufacturing simulation model by virtual testing with structural analysis software.”

The addition of three efficient and robust solvers — fully coupled, multifrontal and iterative — means users can run simulations on much larger meshes than ever before. For example, 3-D simulations for dies containing more than 3 million elements have been converged on a standard high-end computer in just a few hours. Significant speed-ups regularly exceed 100 percent on large simulations compared to previous releases of ANSYS POLYFLOW software.

Faster simulation opens the door in complex rubber, plastic extrusion and coextrusion processes to optimization and automatic die balancing. This reduces trial and error time, since the die designer can query ANSYS POLYFLOW to determine which geometry leads to the best velocity profile across the die lip then finalize using the unique design capability of the code. The resulting data can be provided to structural analysis simulation software from ANSYS to perform mechanical tests and to investigate whether manufacturing or design adjustments are necessary.

Glass forming applications, whether related to gob forming, bottle blowing, pressing or drinking glass production, increasingly use engineering simulation to provide better insight into the complex deformations and thermal patterns that occur during the process. These simulations are extremely challenging, since they involve very large deformations coupled with large variations in temperature. Cooling, the most delicate phase of the process, may introduce residual stress leading to defects. The thermal stress relaxation model in ANSYS POLYFLOW enables users to detect emerging defects in the early cooling stages, providing information that can lead to improved design.

For glass applications, ANSYS POLYFLOW has added thermal stress relaxation and Narayanaswamy models (which are also available in ANSYS® Mechanical™ software). “The Narayanaswamy model is an important addition to better understand the evolution of residual stresses that could lead to some defects. Having these models in both ANSYS POLYFLOW and ANSYS Mechanical allows us to study the whole process, from forming to residual stress development and annealing,” said Matt Hyre from Emhart Glass Research Center, which is investigating new approaches toward a more efficient, more stable, and more consistent glass forming process. The organization’s parent company is one of the world’s leading suppliers of equipment, controls and parts to the glass container industry.

“The continuous evolution of the ANSYS POLYFLOW solvers, rheological library and interface to other leading post-processing codes has been a great help for innovation at Goodyear,” noted Minwu

Yao from The Goodyear Tire & Rubber Company, one of the top three tire companies in the world today. Goodyear was one of the earliest users of the software.

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aPriori v6 Reduces Product Costs and Direct Material Spend for Discrete Manufacturing Organizations

6 October 2008

aPriori announced the availability of aPriori v6, the newest version of its Product Cost Management software platform. With capabilities that provide real-time, predictive and precise product cost assessments, aPriori v6 empowers manufacturing organizations to significantly reduce product costs and direct material spend by identifying quantifiable savings in material, tooling, labor and overhead while evaluating alternative designs, processes and sources.

“When your employees know the cost impact of the product decisions they make as they make them, they drive more costs out of the products you manufacture. aPriori is designed to provide real-time cost feedback to everyone in the enterprise – from engineering to manufacturing to sourcing and more – so that employees can make faster, more-informed decisions that ultimately result in lower product costs,” said Eric Arno Hiller, Founder and Chief Product Officer at aPriori. “With support for additional 3D CAD formats and manufacturing processes, aPriori v6 will help even more manufacturing organizations achieve their internal product cost targets and external spend reduction goals.”

Support for Additional Manufacturing Processes & CAD File Formats Enables More Organizations to Automatically Cost Their Parts & Products

aPriori v6 features support for additional 3D CAD file formats with integration to CATIA® v5, and Siemens PLM NX®. Combined with its existing integration to Pro/ENGINEER® Wildfire and enhanced support for industry standards including STEP, aPriori v6 significantly extends its ability to cost parts and products automatically and instantly from solid model files. By extending CAD file support, aPriori v6 enables both CAD-users and non-CAD users to cost parts and assemblies in real-time.

aPriori v6 also introduces the ability to cost parts and products manufactured through Bar & Tube Fabrication processes. The new Bar & Tube process group module adds automated costing capabilities for bar, tube, angle and channel stock using numerous cutting, sawing, punching, bending and forming processes. The Bar & Tube process group module joins the aPriori library of supported processes that includes Sheet Metal Fabrication, Sand Casting, Die Casting, Injection Molding, Machining, Stage Tooling, and Welded Assembly.

In addition to CAD file support and new process support, aPriori v6 includes a number of new capabilities and tools to help sourcing, manufacturing and engineering users know how much a part or product will cost to produce. Select improvements include:

One-Click Costing – When evaluating alternative designs, materials, manufacturing processes and/or manufacturing locations, users can generate an up-to-the-second cost assessment with a single mouse click.

Enhanced Welded Assembly Costing – aPriori v6 makes it easier to assess the costs of a welded assembly. From within the aPriori interface, users can apply various weld types directly to an assembly and [aPriori](#) will automatically determine the costs to apply the weld and add it to the rolled-up assembly

cost.

Factory Data Maintenance Tools – To ensure cost assessments are as accurate as possible, aPriori uses a customer's (and/or their suppliers') individual material, labor and overhead rates. aPriori v6 adds capabilities to allow customers to easily update the system to reflect the most current rates as well as create new factories and/or suppliers.

3-D Assembly Visualization – aPriori's new CAD model viewer allows all users – regardless of whether or not they use a CAD application – to view and manipulate the costs of parts and assemblies.

Usability Enhancements – aPriori is designed to be used by everyday business users, not just cost experts. With customizable screen layouts; tools and controls; flowchart-style process routing editors; and more, aPriori v6 continues to revolutionize how employees across multiple business functions can reduce product costs with better access to product cost information.

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Cadence Collaborates With ARM To Deliver Hardware/Software Emulation Environment, Accelerating Processor-Based Design

7 October 2008

[Cadence Design Systems, Inc.](#) announced the availability of an ARM hardware/software co-verification environment that accelerates the system validation process and provides mutual customers with a faster path to first silicon working with early software. ARM designers have adopted the Cadence® Incisive® Palladium® III acceleration/emulation system for its advanced processor development, using it for both in-circuit emulation and transaction-based acceleration.

"The new environment, focusing on multimedia, graphics and network storage applications, enables our mutual customers to expand and accelerate their system validation ramp-up in these market segments in addition to the popular ARM processor-based handset market," said Peter Middleton, vice president of engineering, Processor Division at ARM.

The new environment is based on a reference design utilizing the Palladium III system, the ARM® RealView® Debugger, ARM processor IP and Cadence SpeedBridge® adapters. This environment demonstrates audio/video playback and capture of AVI and MP3 files, Web browsing, Linux boot and software debugging, and helps customers to ramp-up their ARM processor-based design system validation environment rapidly.

"Our Mobile-WiMAX/Cellular chip worked within hours after receiving our silicon back," said Yehuda Adelman, vice president of VLSI at Comsys. "Cadence's full-system validation solution enabled us to achieve our time-to-market goals. The Palladium series' fast bring-up and turnaround times, its hardware/software full-vision multicore capability, combined with the ARM RealView Debugger, helped us to reduce our development cycle. The new environment might further accelerate the hardware/software co-verification bring-up efforts."

ARM processors have traditionally been validated by ARM using the Cadence Palladium acceleration/emulation series.

Added Middleton: "Cadence's Palladium III system and its integrated verification solution provide the capacity, throughput, turnaround, and the bring-up time needed within real-world scenarios to verify our most advanced processor IP."

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"After a successful deployment with our leading-edge graphic applications, we have proliferated the Cadence Palladium technology into our standard system validation process for our ARM processor-based portable navigation devices (PNDs) and mobile internet devices (MIDs)," said Narendra Konda, director of Engineering at nVidia. "This newly announced combined solution delivered by Cadence with ARM processor IP will help customers to quickly create a complete validation environment for the most complex designs in the market."

The Palladium series of accelerators/emulators provides the highest throughput for validation of complex hardware, software and full systems in the wireless, graphics, networking and consumer markets. The Palladium series supports ARM logic tiles (including the ARM7, the ARM9, the ARM10, the ARM11 and the Cortex processor families). By incorporating peripherals, embedded processors, multiple ASICs, embedded software, and real-world data, the system delivers MHz speed and is capable of handling designs of up to 256 million gates. The system delivers superior debug, system-wide management, and advanced verification automation features such as assertion- and transaction-based acceleration and can bring-up a new design to emulation in less than a week.

"The testimonials from ARM, nVidia and Comsys are evidence of the value proposition the Palladium series provides for both processor-based IP designers as well as ARM-based wireless system integrators," said Ran Avinun, marketing group director for system design and verification at Cadence. "Emulation continues to be the best method for validation of full SoC designs with embedded processors months before silicon tapeout – reducing risk in committing to final silicon. The new integrated solution has been designed by Cadence in collaboration with ARM, with a focus on project teams that are building ARM processor-based SoCs for the multimedia, storage and networking markets."

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Cadence Custom Lithography Technology Addresses 22-Nanometer Semiconductor Manufacturing

8 October 2008

Cadence Design Systems, Inc. announced the availability of software that optimizes custom lithographic source illumination, a new capability in its integrated source mask optimization (SMO) technology family for IC manufacturing at 22 nanometers and beyond. Optimized custom litho source illumination delivers the superior process window and improved two-dimensional image fidelity required for 22-nanometer semiconductor manufacturing.

Cadence® collaborated with Tessera Technologies, Inc. to incorporate the custom source illumination manufacturing awareness into its SMO software technology family. The new capability is integrated into the [Cadence](#) resolution enhancement technology (RET) flow for both single- and double-patterning lithography, and it delivers exceptional ease of use and automation to accelerate both technology development and production ramps.

"The flexibility to take full advantage of diffractive optical elements is essential to achieving high yields at the 22nm node," said Michael Bereziuk, executive vice president of Imaging & Optics at Tessera. "Tessera is pleased to work with Cadence to provide solutions to the SMO challenge that utilize our full design expertise and ten years of experience with off-axis illumination."

The collaboration between Cadence and Tessera focuses on Tessera's DigitalOptics™ technologies, which enable one of the broadest range of control available today, providing conventional, gray-tone, and free-form litho source illumination. Effective source mask optimization requires that the full degrees of freedom and actual constraints of the illumination design are incorporated into the design algorithms.

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Incorporating these more advanced models into the Cadence SMO software provides powerful new capabilities to the entire user community.

At 22 nanometers and below, conventional computational lithography techniques such as model-based OPC and the existing range of RETs are not sufficient to deliver the required silicon pattern fidelity. The Cadence source mask optimization technology enables more accurate computational lithography assessments and tradeoffs that improve pattern fidelity and enable increased product yield. This is accomplished by taking into account the RET/OPC recipes and models, mask manufacturability rules, polarization pattern in the lens pupil, Jones matrix of the projection lens, optical parameters of the resist stack, resist diffusion, and other key factors.

A key differentiation of the Cadence technology is its ability to optimize the litho source illumination based on the printability of two-dimensional layout structures through a process window, rather than just through critical dimension (CD) requirements of the design. The Cadence source mask optimization solution is also applicable to both conventional and free-form illumination patterns.

“We’re going beyond traditional DFM to a co-optimized design and manufacturing approach with this collaboration,” said Dr. Dipu Pramanik, vice president of silicon signoff and optimization at Cadence. “This collaboration with Tessera will help our customers quickly achieve their computational lithography implementation and technology entitlement goals thereby reducing their overall cost of ownership.”

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CNC Software Unveils Mastercam X3

7 October 2008

[CNC Software](#) announced the release of Mastercam X3. Mastercam X3 offers expanded machining flexibility and an increased emphasis on speed and automation. Feature Based Machining, new high speed tool motion, and faster toolpath generation combine with dozens of additional new enhancements in a package intended to improve shop floor productivity.

Here are the most significant highlights and new functionality in Mastercam X3:

Feature Based Machining – Almost every shop deals with solid models, and Mastercam delivers a powerful way to automatically mill and drill these parts. Valuable for experienced power users and easy enough for new users, FBM evaluates a part’s features and automatically designs an effective machining strategy.

2D High Speed Toolpaths – The success of Mastercam’s 3D high speed toolpaths leads to new high speed machining expressly for 2D machining. Although optimized for high speed cutting and hard milling, these offer many additional benefits including superior finish and longer tool life.

Faster Multiaxis Toolpaths – Substantially faster multiaxis toolpaths combined with enhanced control lets users get more out of these powerful toolpaths than ever before.

Mastercam in SolidWorks – This new X3 package brings the most popular Mastercam toolpaths directly into SolidWorks. Designers who work with this CAD system can now program those parts with CAM toolpaths in the same interface. This package will be released after the general release of Mastercam X3.

Other new enhancements include:

- Import full SolidWorks history trees
- Expanded support for cutting STL files
- CAD enhancements
- 3D high speed toolpath enhancements
- ...and many more

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Dassault Systèmes Unveils Stage Gate Solution to Enhance New Product Introduction in Life Sciences Arena

9 October 2008

Dassault Systèmes ([DS](#)) announced the availability of a new PLM solution developed specifically for the life sciences industry. The fourth in a series of new Life Sciences Accelerators introduced in the last six months, the ENOVIA Life Sciences Accelerator™ for Stage Gate was developed in partnership with Integware Inc., a key Dassault Systèmes partner and a recognized leader in helping life sciences companies automate compliance, accelerate innovation, reduce product development costs and drive strategic business development.

The stage gate process establishes a structure for the introduction of new products, from concept to launch, by ensuring that cross-functional teams complete a clearly defined series of steps in each stage prior to moving to the next stage of product development. Designed to address the complexity of collaboratively managing the product introduction process across multiple regions, functions and cultures, the Life Sciences Accelerator for Stage Gate offers an out of the box solution to ensure the completion of design control deliverables and allows for automatic tracking of the resulting Design History File (DHF). Project managers can also maximize management visibility and control with advanced visual project tracking reports. This approach allows customers to improve consistency and reduce waste while ultimately speeding time to market.

Dassault Systèmes offers the Life Sciences Accelerator for Stage Gate as part of the V6 PLM platform which is designed to spur global, collaborative innovation by providing key stakeholders with access to information throughout the product lifecycle from product development to manufacturing to end-of-life. The V6 approach enables customers to better manage core intellectual property by means of a single, flexible solution with ready-to-use, out-of-the-box PLM business processes. Based on a service-oriented architecture (SOA), the Life Sciences Accelerators reinforce Dassault Systèmes commitment to offering industry-specific solutions which apply to specific life sciences business processes including Corrective and Preventive Actions (CAPA), Product Complaints, Change Control, Product Development and Supplier Control.

The ENOVIA Life Sciences Accelerator for Stage Gate enables companies to:

- Improve time-to-market and adhere to regulatory compliance while maximizing efficiency and reducing collaboration costs
- Manage new product development projects, activities, and deliverables
- Embed compliant best practices and Critical-to-Quality (CTQ) drivers into standard, repeatable project templates

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- Provide a highly visual view of the deliverables and stages using functional swim lane views to ensure on-time completion of all design control activities
- Provide easy, real-time visibility into all the critical projects within the organization

“This product is the latest in a series of life sciences accelerators that meet specific needs within the new product introduction process,” said Ray Wodar, director of Consumer & Life Science Solutions, ENOVIA, Dassault Systèmes. “Designed to address the need to decrease costs associated with product development while dramatically improving quality, reliability, and timeliness of product introductions, the ENOVIA Life Sciences Accelerator for Stage Gate enables companies to take advantage of new market opportunities as they arise.”

The Life Sciences Accelerator for Stage Gate reduces regulatory risk and ensures consistency of design control deliverables in accordance with U.S. Federal Drug Administration (FDA) regulations. Organizations can satisfy Quality Systems Regulation (QSR)/ISO regulatory requirements while achieving Six Sigma objectives through enhanced process control, metrics, and real time reporting.

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Domain Systems Signs Preferred Reseller Agreement with Perception Software

2 October 2008

[Domain Systems](#) announced an agreement with Perception Software to be the Preferred PLM Reseller of Perception’s EDAConnect™ family of products in North America. In addition to Domain’s Electronic Design Automation (EDA) product line, Domain will also sell EDAConnect to Oracle’s Agile PLM Customers.

“As a full service VAR, Domain Systems has been successfully selling and implementing Agile PLM integrations for years. With our experience as the oldest and most successful Agile/Oracle partner, that knowledge base also translates into an in-depth understanding of the electronics design and capture environment, so it makes complete sense that we would team with the best in class offerings from Perception Software. Perception’s EDAConnect product compliments our own existing suite of products and helps Domain maintain a competitive breadth-of-offering when compared to all other narrowly focused Agile Service providers,” says Randy Pettit, President, Domain Systems.

“Domain Systems brings a unique set of capabilities to Oracle’s Agile PLM customer base,” said Joe Dalton, CEO of [Perception Software](#). “This agreement further differentiates Domain as the Oracle/Agile partner of choice for customers in high tech markets.” Perception Software’s EDAConnect product family includes : EDAConnect-PCB for integrating electronic systems design tools from Cadence Design Systems, Mentor Graphics, Zuken, and other EDA tool vendors; EDAConnect-SiP for integrating system-in-package tools from Cadence; and EDAConnect-ADW for integrating Cadence’s Allegro Design Workbench. The EDAConnect family of products gives electronic engineers and designers relevant enterprise data during the product design cycle, enabling better engineering decisions and fewer re-designs. Using EDAConnect engineers spend more time designing and less time searching for data or performing administrative tasks.

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EnSuite Adds Ability to Move Components in Assemblies and Improves Collaboration

6 October 2008

[CCE](#) has announced that it has added the ability to transform and rotate components in heterogeneous and homogenous assemblies as well as improved markup collaboration capabilities in EnSuite Version 2 – its multi-CAD viewing, translation and productivity software. “In this new version we have raised the bar another notch by providing new capabilities for downstream manipulation of homogeneous or heterogeneous assemblies while also simplifying the process of communicating markup and redlining information by attaching the markup to the CAD file,” said Vinay Wagle, V.P. Sales & Marketing for CCE.

The transform and rotate components in assembly feature enhances the ability of EnSuite users to work with assemblies created by inserting components from a single or multiple CAD systems. In the previous version of EnSuite, components could be moved to create the assembly but were fixed from that point on. In the new version, components of existing assemblies can be rotated or transformed at any time. This feature enables users to, for example, evaluate the functionality of a mechanism by moving components through their full range of motion to identify and correct interferences.

This feature improves on the already powerful ability of EnSuite to create assemblies using components from different proprietary and neutral CAD formats such as Pro/ENGINEER, CATIA V4 or V5, SolidWorks, Unigraphics, IGES, STEP and Parasolid. Each individual or company involved in a collaborative product development project can create and modify components in their own CAD system while the entire assembly can be viewed, evaluated and marked up in a single environment.

The collaborative capabilities of EnSuite have also been improved by storing markup and CAD data in a single file in order to simplify communications. In previous versions, markup data was saved in separate files and the CAD file as well as each markup file had to be stored and transferred separately. In the latest version, the option is provided to save the CAD file and all markup images in a single file using CCE’s proprietary ES3D file format. The user can deliver the CAD data and multiple markup images in a single file for easy sending and viewing.

The latest EnSuite update will be available to all active subscription license customers as well as to new customers.

EnSuite goes far beyond the capabilities of conventional viewers and translators by providing a wide range of productivity tools for accessing critical engineering information. EnSuite prevents users from saving changes to the master CAD model to protect integrity of the master model. Licenses are automatically administered and the product updated over the Internet.

EnSuite is designed for companies that work in a multi-CAD environment, such as those used by customers, vendors and partners. EnSuite provides seamless interoperability with CATIA V4, CATIA V5, Pro/ENGINEER, Unigraphics, and SolidWorks CAD systems as well as Parasolid, IGES and STEP files. Files can be translated to and from any of these formats without the native CAD software.

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iCHECK® for Autodesk® Inventor® Identifies Problems -- 35 Percent Sooner

10 October 2008

INCAT® announced that it has identified the top 21 everyday challenges to productively using

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Autodesk® Inventor® and addresses them through effective use of iCHECK®, its proprietary, data quality and integrity analysis software application.

Explaining the latest INCAT internal research, Dan Miles, Manager, Technical Services for the INCAT General Manufacturing Solutions (GMS) Group said, "Working closely with our clients who are using Inventor to aid in product development, we have identified 21 areas in product design, assembly design and documentation where there is the greatest potential for problems; and found that these can be identified 35 percent sooner through the use of iCHECK."

Miles noted that the use of such applications is growing rapidly in a market that demands higher quality and faster time to market. "iCHECK is the only such application available on the market for use with Inventor," he added.

Tom Hallenbeck, iCHECK Development Manager for INCAT, added, "We are serious about delivering technology that enables our clients to realize earlier problem-solving and discernable leaps in productivity. As we continue to push the envelope, we are keen to give companies the ability to validate their best practices and methodologies with our software applications. iCHECK for Inventor is a reflection of our commitment to our clients and to that mission."

iCHECK is the ideal tool for helping designers who pick up a file where another designer has left off. Three simple, everyday examples include; navigation of existing sketches that are not fully constrained, working with assemblies with adaptive features turned ON, and manipulating drawings that contain override dimensions. In each case the designer's productivity can be compromised by unrecognized problems or deviations from standards, but with iCHECK, each of conditions can be verified with minimal user interaction and can be solved in just a few seconds.

To find out the other 18 everyday user challenges that INCAT research has identified and for information about how iCHECK helps designers working in Inventor overcome those challenges, go to <http://www.incat.com/icheckinventor>.

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IFS Launches Unique CAD Integration/PDM Tool

3 October 2008

IFS has announced the launch of SOA-based CAD integration for its enterprise suite, IFS Applications. The availability of the SOA CAD integration will put IFS in a leadership position among enterprise software vendors in the critical area of CAD support.

Attendees at the IFS North America Customer Summit being held Oct. 5-8 will be the first to see a demonstration of the revolutionary new integration. First customer deliveries are scheduled for November, with general availability in early Q1 2009.

While some other enterprise software products—including enterprise resources planning (ERP) software— have CAD interfaces, they typically are designed to import and export data in and out of a CAD tool. This creates two separate product data management (PDM) databases and related synchronization problems. IFS leverages web services built into its service-oriented architecture (SOA) to share PDM data common to both engineering and manufacturing, resulting in “real time CAD to PDM” integration. For customers that want to keep separate the engineering and manufacturing functions, a future release will also support a more traditional “PDM to PDM” integration model.

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The interface can be accessed from many popular CAD applications, which eases the long-fought battle within many manufacturing and engineering companies over which CAD tool to use. Now, various CAD tools can share standardized PDM data and functionality within IFS Applications. Typically, PDM tools are proprietary to CAD platforms, which can create vendor lock-in.

“We find that many customers use multiple CAD applications, often as the result of mergers and acquisition activity,” IFS North America Chief Technology Officer Rick Veague said. “This often results in a battle to see which CAD application will ‘win.’ The IFS solution makes it easier for multiple CAD applications to co-exist within a company, since there is a common PDM system they can all share. Companies running IFS Applications will use the same PDM data to support both engineering and manufacturing, eliminating the need for redundant PDM applications and data synchronization requirements.”

IFS “plug-in” adapters support multiple CAD platforms, including AutoCAD, AutoCAD Inventor, PRO/Engineer, and Solidworks, allowing each CAD application to access the same web services within IFS Applications to access PDM and engineering data stored in IFS Applications in real time.

“The ability to support multiple CAD applications with the same underlying PDM data is consistent with IFS’ goal to drive agility in the enterprise,” Veague said. “This solution allows engineers to use the right CAD tool for their particular needs, or perhaps multiple CAD tools, instead of forcing them to conform to a particular standard for IT reasons.”

“Our customers demand innovation that reduces their technology cost while at the same time increases their level of enterprise agility,” IFS North America President and CEO Cindy Jaudon said. “This integration tool will solve real problems our customers are having right now, and do it in a way that improves their ability to deliver new products to market and respond to customer needs. With this announcement, we are delivering even more of the benefit that companies want from an integrated enterprise application.”

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JETCAM Launches Comprehensive MRP Solution

10 October 2008

JETCAM International s.a.r.l. announced the launch of a comprehensive MRP system aimed at all types of manufacturing companies.

JETCAM MRP is suitable for a wide range of manufacturing types, from one-off and small batch manufacturers through to process manufacturing and high volume/repetitive industries. It is fully compatible with JETCAM’s suite of CAM and nesting applications and provides tight integration, as well as being a complete standalone MRP solution suited to a wide range of industries including plastics, textiles, electronics, oil, defence and general engineering.

All MRP modules are supplied as standard, covering Estimates & Quotations, Stock Control, Materials Traceability, Bills of Materials, Sales Order Processing & Invoicing, Purchase Order Processing, Works Order Processing, Material Requirements Planning, Master Production Scheduling, Automatic Progress Chasing, Operational Performance Monitoring, Shop Floor Capacity Planning and Loading, Shop Floor Data Capture with Bar-coding, Full Product and Job Costing, Key Performance Indicators and Reporting, Integration with Access Dimension Accounts and Simple/Advanced Accounting Interfaces. An integrated CRM system is also available.

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Traceability is covered to leading quality standards, making JETCAM MRP suited to industries such as aerospace and automotive, which require FIFO (First In, First Out) and batch number/serial number tracking.

Mike Weber, Managing Director said; “JETCAM MRP is different to many traditional MRP systems in many ways. It is also compatible with JETCAM’s suite of CAM and nesting applications, providing complete automation, along with vital business information such as cost per part and overall runtime estimation. The product has the high JETCAM quality standards, easy to install, extremely stable in operation and requiring minimal support. We train users to install the system themselves, thus removing the usual high dependence on costly consultancy fees. The entire system requires just five days training – three days for users, one for administration and one for implementation. This unique approach allows the user to know the exact, true cost of the system rather than the hidden consultancy, per-module training and customisation prices that tend to be added to the price of other products either to rent or to buy, with a totally transparent pricing policy.”

JETCAM MRP will be available starting Q4 2008 through selected JETCAM Resellers. The system is sold as a single, complete solution rather than the traditional modular approach, and is available for either rental or purchase.

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Kodak and ColumbiaSoft Provide End to End Solution for Document Management to Improve Collaboration and Submittal Processes

9 October 2008

Industries such as engineering, construction, manufacturing and financial services are often faced with document reviews and submittal processes that need to travel across multiple locations. [ColumbiaSoft](#), a provider of enterprise document management solutions and a member of Kodak’s Authorized Independent Software Vendor program, has certified its Document Locator Software to work with KODAK Scanners to help these firms improve their document retrieval, sharing and workflow.

As project managers and other key decision makers seek to improve their businesses’ accountability for important files, Document Locator works with KODAK Scanners in offering users an end to end solution, with a digital, paperless repository of documents that reduces paper storage costs and reviewing time for submittal processes.

“In the construction industry, many project managers are responsible for a number of project document driven processes, such as submittals, approvals, and change order processes that involve multiple people, review cycles and information that must be shared across several locations,” said David Pogue, Executive Vice President of Worldwide Sales and Marketing, ColumbiaSoft. “This solution assists businesses in a variety of industries to facilitate a faster, more retrievable document lifecycle, from capture to control to final delivery.”

Combined with KODAK Scanners, Document Locator assists companies with paperless process conversions, document sharing across multiple locations, automating document workflow, and archiving information for business continuity. The solution offers several ways for enterprises to improve the accuracy and security of paper and electronic document driven businesses.

“Many businesses are battling road blocks such as shipping, faxing, or sending review documents for approvals across different parties in different locations. An electronic submittal process can help assist

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in project time management, as well as reduce costs,” said John Gerry, Business Development Manager, ISV-Western Region of Kodak. “With the KODAK Scanners handling the capture and digital conversion portion, Document Locator automates and controls the ECM processes to eliminate the possibility of misplaced or damaged files, improving how businesses are accountable for their information.”

At the upcoming Construction Management Association of America Conference in San Francisco, Oct. 12-14, Kodak and ColumbiaSoft will share best practices in project document lifecycle management, including capture, retrieval, collaboration and handoff/delivery methods. Project managers will have the opportunity to view hands on solutions that help cut down on processes across multiple review cycles.

For more information on Kodak’s Authorized Independent Software Vendor Program, contact scannerisv@kodak.com or call 614-459-1466 in the Eastern United States or 916-774-7273 in the Western United States.

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Matrix Applied Computing Joins Aras Partner Program

6 October 2008

Aras® announced that Matrix Applied Computing, New Zealand's largest company dedicated to engineering information technology and an experienced provider of product lifecycle management solution services, has joined the Aras Partner Program.

Matrix has been delivering enterprise product life-cycle management [PLM] solution services to companies throughout New Zealand, Australia, and the Asia-Pacific region for over 20 years. The experienced engineering technology team at Matrix provides a wide range of professional consulting services for successful solutions in product development and manufacturing.

“The Aras enterprise open source model is a very progressive approach that minimizes the business risks of an enterprise PLM solution deployment, while enabling the promise of widespread adoption for maximum business benefit. Matrix is pleased to become a partner in the Aras corporate community, with the fresh and innovative strategy and solution from Aras,” said Jim Culberson, Managing Director for [Matrix Applied Computing](#). “The advanced Aras solutions provide companies of all sizes with clear technology advantages that deliver real business results.”

“Aras welcomes Matrix as a new member of the partner program, and we are glad to have Matrix’s considerable expertise in product life cycle management solution deployment and engineering best practices,” said Peter Schroer, President of Aras. “The extensive experience that Matrix has in PLM deployments will benefit companies across industries that need professional assistance implementing the Aras solutions to achieve business results.”

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MecSoft Releases RhinoCAM 2.0

2 October 2008

MecSoft Corporation announced the release of the RhinoCAM 2.0.

Building on the design feature set of Rhinoceros 4.0, RhinoCAM 2.0 introduces new features found only

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in systems costing 3 times as much. RhinoCAM 2.0 offers full data associativity and seamless user interface integration with Rhinoceros 4.0. These improvements serve to make the combination of Rhinoceros 4.0 and RhinoCAM 2.0 a powerful and easy to use CAD/CAM system for under the \$5000 price range.

MecSoft' President Joe Anand says: "RhinoCAM 2.0 continues the proud tradition of combining the best of breed CAM technology with one of the leading edge 3D design products in the market today. With the introduction of powerful new toolpath generation methods, enhancements in existing areas of the product along with processing and productivity improvements, we believe strongly that RhinoCAM 2.0 is simply the best CAD/CAM product in its class. Download a demo from our website today and we have no doubt that you will be impressed. "

The RhinoCAM 2.0 product is available for download at <http://www.rhinocam.com>. For further information on this product or any other MecSoft Corporation products, please call 949-654-8163 or email sales@mecsoft.com. MecSoft Corporation is a leading provider of CAD/CAM software solutions for manufacturing parts in a wide variety of industries, including automotive, mold & die, aerospace, general machining and education.

Founded in 1980, Robert McNeel & Associates (RMA) is a privately held, employee owned corporation providing technical professionals with productive tools shaped from emerging technologies. RMA has regional offices in Latin America, Europe, and Asia.

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ModuleWorks Announce Availability of New 2008.9 Software Release

7 October 2008

ModuleWorks announced the latest release of its CAM components, version 2008.9. The new release offers a wide range of new features across the product range, further expanding capability for 3-5 Axis toolpath creation and simulation.

The 5-Axis component has been further refined with new options for tool control and collision avoidance, both critical factors with complex multi-axis machining. Improvements to the popular 3-5 Axis conversion strategies offer more flexibility and automated tilt calculation for efficient collision avoidance. This is especially useful for Mold and Die applications where this technique allows short series cutters to be employed, giving improved surface finish.

The recently released 3-Axis machining component offers a new strategy for Flatland machining, an efficient production machining technique for prismatic solids. This strategy automatically detects all flat regions on the model and applies a finish toolpath to these areas. Other improvements include faster performance and new smoothing options for roughing to improve cutting conditions and allow higher feedrates to be employed.

ModuleWorks Simulation includes powerful analysis tools and further productivity tools have been introduced with options to highlight height and/or rotary changes in the simulated toolpath. As with the machining components there are also significant performance improvements with the 2008.9 release.

David Plater, Technical Director comments "We are very pleased with the reception the new software received from our partners and prospects at IMTS and believe we have produced a release with a balanced set of productivity and performance improvements to benefit all of our partners and customers around the world".

For more information, please visit <http://www.ModuleWorks.com>

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New TopSolid'Cam Interface for VERICUT

7 October 2008

[Missler Software](#) and [CGTech](#) announced the upcoming availability of a new interface between TopSolid'Cam and VERICUT to improve machine simulation visualisation. The new interface offers important productivity gains to TopSolid'Cam and VERICUT users. Target customers are in fact often users of the 2 software solutions in the aerospace field, working with large mechanical parts, or involved in the machining of prototype parts. Such companies work with multifunction machines or large machining centres and use expensive raw materials.

The new interface between TopSolid'Cam and VERICUT in fact allows VERICUT to be opened directly from TopSolid'Cam. All information relating to the part, the stock and the tools used are transferred directly from TopSolid'Cam, thereby eliminating the need to input a second time all of this information.

“The interface between TopSolid'Cam and VERICUT is very important for our customers who need to work increasingly quickly in order to stay competitive.” explains Mr. Deniset, Director of CGTech France. “This interface enables our customers to open VERICUT directly from TopSolid while they are working with TopSolid'Cam. This insures a maximum level of integration and interoperability is maintained. In general, it is important for CGTech to work closely with CAD/CAM developers. Missler Software is a CAD/CAM leader on the global market and we are very happy to collaborate closely with the French developer.”

The collaboration between Missler Software and CGTech is also important for Missler Software. According to Dominique Laffret, Vice-President of Strategic Relations for Missler Software «In fact we have many customers in common with CGTech. The new interface offers important time gains to these customers when using VERICUT which thereby results in a competitive advantage for these companies. This interface will also help us attract new customers in the future. The development of a direct link towards VERICUT is also an important step in the verification of the ISO code generated by TopSolid'Cam post-processors. The part and machine environment simulation already provided by TopSolid'Cam together with the advanced ISO simulation provided in VERICUT will no doubt help reduce potential collisions.”

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Proficiency Offers Packaged Service Solutions for CAD Translations

7 October 2008

Proficiency announced the service offerings of complete CAD product knowledge migrations and translations for supplier delivery. Utilizing Proficiency's state of the art and patented solutions, customers can submit CAD models for translation and receive back complete useable models in their desired format.

As many companies do not have the resources or expertise to do one off migrations as they start to use new CAD systems, Proficiency provides the best quality and cost alternative to manual re-mastering

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being used today. Additionally, when suppliers are looking for ways to meet the increasing demands of their partners, Proficiency can deliver a highly effective, reliable and repeatable process that generates a 100% workable model that can be tailored to their partner's specifications.

Proficiency utilizing their patented Collaboration Gateway™ can automate up to 95% of the process thus saving significant time and cost. And when it comes to completing the model the Collaboration Wizard provides an interactive guided process to ensure the validity and quality of the final CAD model.

"We used the Proficiency's Service Offering for delivery in different projects, and were very impressed with their professionalism: the skill of the people, their short reaction time, and their prompt delivery of the data," said Hans-Peter Roitsch, PLM Project leader and Head of CAx Coordination at MAHLE Filtersysteme GmbH.

"We have the expertise, not only to translate the data, but often to even improve upon the original source model" said Alex Shapira, President and CEO, Proficiency. "Companies can reduce the cost of ownership for onetime migrations or on demand supplier delivery translations by eliminating the overhead cost to maintain CAD interoperability knowledge and IT infrastructure in house. They prefer to focus engineers and resources on value-added new designs, in their domain of excellence."

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Sescoi Iberia Appoints a New MyWorkPLAN Reseller

6 October 2008

Sescoi Iberia announced that it has finalized a distribution agreement for its MyWorkPLAN job management software with Madrid based, E2G Consultores.

E2G Consultores specializes in database management, software development and ERP/CRM implementation. It offers its customers the commitment, tools and know-how, combined with its project management expertise, to ensure the successful conclusion of their software projects.

Sescoi used its 20 years' experience to design the MyWorkPLAN job management system for project-based companies such as mold, die and toolmakers, engineering offices and those serving in the general mechanical industry.

By offering MyWorkPLAN, E2G Consultores will help engineering customers to become globally competitive, reduce their running costs and meet delivery deadlines.

MyWorkPLAN interfaces directly with CAD and CAM systems, extracting and analyzing the information necessary to produce quotations with pinpoint accuracy. The software monitors job progress through the workshop and controls costs, times and stock levels. Real time information gathered from around the shop floor helps companies to achieve on time delivery within budget, in a system that is easy to install and operate.

A spokesperson from E2G Consultores said, "MyWorkPLAN fits perfectly with our existing know-how and philosophy of offering accessibly priced solutions and service. We can now offer a job management system that will monitor, optimize, and refine customers' critical business processes, thereby reducing costs and improving communication. Coupling this with our proven software implementation methodology, customers will soon see a rapid return on their investment."

Xavi Mira, SESCOI Iberia's Sales Manager, said, "Our distribution partnership with E2G Consultores will give us greater scope and ability to bring the advantages of MyWorkPLAN to project-based

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manufacturers and engineering offices throughout Spain. Their focus on service and their project management know-how will ensure that customers maximize the benefits they can gain from MyWorkPLAN.”

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The MathWorks Introduces Simscape Language for Physical Modeling

9 October 2008

[The MathWorks](#) announced the availability of the [Simscape language](#), a new capability that enables textual authoring of physical modeling components, domains, and libraries in the [Simulink](#) environment. The new language is included in Simscape, which extends Simulink for modeling and simulating mechatronic and other multidomain physical systems using a physical network, or acausal modeling, approach.

The new Simscape language, based on the [MATLAB](#) language, enables engineers to develop reusable models of components and systems for rapidly advancing technologies, such as fuel cells, wind power systems, and hybrid electric vehicles. With this new capability, Simscape can be extended by end users and partners to create and share reusable models, thereby raising the efficiency of teams and improving communication.

With these shared physical models, design teams can simulate system behavior more accurately, develop more robust control strategies, perform design tradeoffs, and find system performance errors early in the development process. Companies can explore more design options and help reduce the cost of testing, as errors are found in simulation rather than requiring hardware prototypes.

“The new Simscape language is quite powerful. It lets me create custom components, a ‘must have,’ when modeling physical systems,” said Dr. Arie Weeren, manager academic support ICT, University of Antwerp. “The language is also very intuitive. Anyone with existing MATLAB skills will find it easy to use Simscape.”

As systems grow in complexity and require the integration of additional technologies, such as with mechatronics systems, engineers need simulation tools that span electrical, mechanical, hydraulic, and other physical domains. In the past, engineering teams needed to master unrelated tools from multiple software vendors and learn to connect them together in cosimulation, which is time-consuming, can require detailed understanding of simulation techniques, and makes automated validation testing challenging. Now engineers can work in a single environment by combining Simscape with domain-specific physical modeling tools from The MathWorks ([SimElectronics](#), [SimMechanics](#), [SimDriveline](#), [SimHydraulics](#), and [SimPowerSystems](#)), and avoid the complex task of setting up cosimulation

“The MathWorks has a long history, since Simulink was first introduced in 1990, of helping users create models and executable specifications to help improve communication of requirements and design concepts between engineering disciplines, which is critical in mechatronic and other system design,” said Jim Tung, MathWorks Fellow. “As part of our commitment to addressing customer demands, we continue providing new capabilities to support the development of system-level physical models for simulation, helping users ensure solid results while reducing the money spent on real prototypes.”

Pricing and Availability

The Simscape language is available immediately as part of the Simscape product. Simscape requires MATLAB and Simulink (each sold separately). U.S. list prices start at \$2,000. SimElectronics,

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SimMechanics, SimDriveline, SimHydraulics, and SimPowerSystems are also sold separately. For further information, please visit the product Web site at:
<http://www.mathworks.com/products/simscape/index.html>.

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3Dconnexion 3D Mice Streamline Design Process in New Siemens Solid Edge® with Synchronous Technology

6 October 2008

3Dconnexion's line of 3D mice is now supported by the recently released Siemens Solid Edge® with synchronous technology, bringing advanced navigation features in Solid Edge Part, SheetMetal, Weldment, Assembly, and Draft documents.

Unlike mice confined to motion on one flat plane, 3Dconnexion's 3D mice enable design engineers to move in all three dimensions simultaneously with six degrees of freedom to navigate advanced functions in the Solid Edge application environment more intuitively. Designed to integrate into the 3D design workflow, 3Dconnexion's 3D mice offer Solid Edge users a range of advanced navigation features and design benefits, including:

- Seamless transition between Object and Camera modes for a streamlined design experience
- Accessibility to essential 3D functions and tasks with one-touch access using the programmable buttons on the SpacePilot™ and SpaceExplorer™ for critical functions and speed keys
- Precise control of a rotation point or rotation axis, by selecting a Reference Plane, Face, Edge or Vertex/Point for the rotation point, and a Reference Plane, Linear segment or Vertex/Point for the rotation axis
- Quickly zoom into specific sections of the model with Zoom-to-Cursor by positioning the cursor on an area of the design

Additional highlights regarding availability and support include:

- Siemens Solid Edge with synchronous technology on Windows® XP (32-bit and 64-bit) and Vista® (32-bit and 64-bit).
- SpaceNavigator Personal Edition (MSRP \$59), SpaceNavigator Standard Edition (MSRP \$99), SpaceNavigator for Notebooks (MSRP \$129), SpaceExplorer™ (MSRP \$299), and SpacePilot™ (MSRP \$399) are available from major online resellers, including Amazon, Buy.com, CDW, Dell, and PC Mall, as well as directly at <http://www.3dconnexion.com>.
- 3Dconnexion provides advanced and affordable 3D mice that are supported by more than 130 of today's 3D applications, including Adobe Photoshop® CS3 Extended and Acrobat® 9, Autodesk 3ds Max® and Maya®, CATIA, Google Earth™ and SketchUp®, Microsoft® Virtual Earth™, NX™, Pro/ENGINEER®, Second Life Grid® Platform, SolidWorks®, and all of the top-tier 3D CAD applications. For a complete list of applications supported by 3Dconnexion, visit:
http://www.3dconnexion.com/solutions/cad/all_sup_app.php.

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TSMC Adopts Mentor Graphics Calibre Equation-Based DRC Feature for Advanced Physical

Verification

7 October 2008

[Mentor Graphics Corporation](#) announced that TSMC and Mentor Graphics collaborated on physical verification (PV) solutions leveraging a new feature of the Calibre® nmDRC product called “Equation-Based DRC.” Equation-Based DRC allows users to check and correct issues that are very difficult to perform today with classic DRC methods. Continuous multi-dimensional (2D, 3D) functions allow integrated circuit (IC) developers to implement design-for-manufacturing (DFM) functionality directly within their PV flows.

TSMC has targeted general market availability of physical analysis decks supporting these new capabilities for its 32 nanometer (nm) process technologies. “The advanced capability of Calibre Equation-Based DRC is that it allows designers to perform important physical verification checks that are difficult with other approaches,” said S.T. Juang, senior director of design infrastructure marketing at TSMC. “Equation-Based DRC’s ability to model complex DFM phenomena in a simple way allows TSMC to create advanced physical analysis decks and utilities to help designers achieve higher first-pass yield, and to accelerate their ramp to volume production.”

Calibre customers can now incorporate complex manufacturing checks in a more accurate and straightforward manner with reduced PV deck size and improved designer debug productivity. Calibre customers employ equation-based DRC applications on the newest processes to address advanced lithography and manufacturability issues, and also on mature processes at 180nm and above in automotive, advanced mixed signal, and radio frequency applications. For example, Equation-Based DRC has enabled TSMC to create advanced DFM gate and interconnect checking applications. Other advanced-node applications that can be addressed using Equation-Based DRC include multi-dimensional compliance, poly corner rounding, gate uniformity, current density, and IR drop analysis and verification.

“Equation-Based DRC is just the latest example of how Calibre continues to revolutionize physical verification and analysis,” said Joe Sawicki, vice president and general manager for the Design-to-Silicon Division at Mentor Graphics. “As the industry market share leader and signoff standard, Calibre has a proven track record for speed, accuracy and reliability using conventional verification approaches. Now Equation-Based DRC adds a whole new dimension to the Calibre platform that addresses new design and manufacturing challenges and will allow designers to achieve higher first-pass yield.”

For more information see <http://www.mentor.com/neweqDRC>.



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